Software Program Reference Guide for the

Intel® Pentium® 4 Processor



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www.intel.com

August 2001

REFERENCE GUIDE

Software Program Reference Guide for the Intel® Pentium® 4 Processor



BLACK AND WHITE*
by Lionhead Studios Limited*



EMAGIC SYNTHESIZER TWO: ES2*
by Emagic Soft & Hardware GmbH*



EYEMATIC XPRESSION*
by Eyematic Interfaces, Inc*.

CONSUMER

BUSINESS

TOOLS

Get the latest information on Web sites and applications optimized for the Intel® Pentium® 4 processor's Intel® NetBurst™ micro-architecture. The incredible power and performance of this processor enriches 3D realism, enhances streaming media, enables premium media creation, and allows people to communicate in new ways. At home or at work, the Pentium 4 processor helps users increase office productivity and better manage all the information on their desktops, their company intranet, and the Internet. High-performance systems based on the Pentium 4 processor are built to handle the computing needs of today and tomorrow, alongside the broadband-fueled Internet. With applications and Web sites optimized for the powerful Intel Pentium 4 processor, the possibilities are endless.



CONSUMER

Activision*: Star Trek:* Armada II 9
Activision*: Star Trek:* Voyager Elite Force* 10
APZU, Inc*.: DM2, Digital Music Mixer* 11
Cakewalk*: Cakewalk Plasma* 12
Cakewalk*: Cakewalk Pyro* 13
Cakewalk*: SONAR* 14
Corel Corporation*: CorelDRAW* ESSENTIALS 15
Dartfish*: DartTrainer* 16
E-Book Systems, Inc*.: FlipAlbum 4.5* 17
E-Book Systems, Inc*.: FlipBrowser 1.5* 18
Intermedia Organizer, Inc*.: iO* 19
InterVideo Inc*.: WinCoder* 20
InterVideo Inc*.: WinDVD* 21
InterVideo Inc*.: WinDVR* 22
InterVideo Inc*.: WinProducer* 23
InterVideo Inc*.: WinRip* 24
The Jim Henson Company, Inc*.: www.muppetworld.com* 25
Lionhead Studios Limited*: Black and White* 26
MAGIX Entertainment Corp*.: MAGIX audio cleaning lab* 27
MAGIX Entertainment Corp*.: MAGIX mp3 maker gold* 28
MAGIX Entertainment Corp*.: MAGIX music video maker Generation 6* 29
MAGIX Entertainment Corp*.: MAGIX playR jukebox XXL* 30
MAGIX Entertainment Corp*.: MAGIX video deLuxe* 31
MGI Software Corp*.: MGI PhotoSuite* 4-Platinum Edition 32
MGI Software Corp*.: MGI-TV* 33
MGI Software Corp*.: Videowave* 5 34
MUSICMATCH*: MUSICMATCH Jukebox* 35
Pinnacle Systems*: Pinnacle Express* 36
Pinnacle Systems*: Pinnacle Studio Version 7* 37
POPcast Communications*: POPBlaster* 38
Rage Games Ltd*: Incoming Forces* 39
Small Rockets*: Kayak Extreme* 40
Sonic Foundry, Inc*.: ACID PRO 3.0* 41
UBUBU, Inc*.: UBUBU Universe* 42

BUSINESS

Adobe Systems Incorporated*: Adobe* Photoshop 6.0* 45
Adobe Systems Incorporated*: Adobe Photoshop Elements* 46
Adobe Systems Incorporated*: Adobe* Premiere* 47
Advanced Visual Systems*: OpenViz* 48
BEA Systems, Inc.*: BEA eLink* 49
BEA Systems, Inc.*: BEA Tuxedo* 49
BEA Systems, Inc.*: BEA WebLogic Collaborate* 49
BEA Systems, Inc.*: BEA WebLogic Commerce Server* 49
Browzwear International Ltd*.: C-Me* 50
Browzwear International Ltd*.: V-Stitcher* 51
ClearBand*: ClearBand* 52
Computer Associates*: Jasmine* Portal 53
Consilient Inc*.: The Consilient* Process Collaboration Platform 54
Cycore*: Cycore Cult3D* 55
Emagic Soft & Hardware GmbH*: ES1* 56
Emagic Soft & Hardware GmbH*: Emagic Synthesizer Two: ES2* 57
Emagic Soft & Hardware GmbH*: EVP73* 58
Emagic Soft & Hardware GmbH*: EVP88* 59
Emagic Soft & Hardware GmbH*: EXS24* 60
Emagic Soft & Hardware GmbH*: EXSP24* 61
Emagic Soft & Hardware GmbH*: Logic Audio Platinum 4.7* 62
Emagic Soft & Hardware GmbH*: SoundDiver 3.0* 63
Groove Networks*: Groove* 64
i2*: i2 Supply Chain Management* 65
Macromedia*: Director* 8.5 Shockwave* Studio 66
Macromedia*: Dreamweaver* 4 67
Macromedia*: Dreamweaver* UltraDev* 4 68
Macromedia*: Fireworks* 4 69
Macromedia*: Flash* 5 70
Macromedia*: FreeHand* 10 71
Macromedia*: Shockwave* Player 72
Neovest, Inc*.: FirstAlert* 73
Neovest, Inc*.: IdeaLink* 74
Neovest, Inc*.: Neovest* 75

BUSINESS

Sonic Foundry, Inc*.: Sound Forge* 76

UGS*: Parasolid* 77

UGS*: SolidEdge* 78

Virage Inc*.: Virage* VideoLogger* 79

Vital Images, Inc*.: Vitrea* 2 80

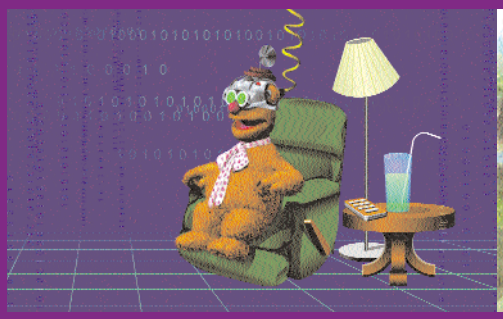
TOOLS

Eyematic Interfaces, Inc*.: Eyematic Xpression* 83

iMove, Inc*.: iMove* Multiview* Production Suite 84

Pulse*: Pulse Creator* 5.0 85

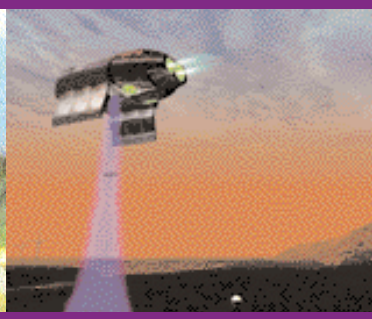
Pulse*: Pulse Player* 5.0 86



WWW.MUPPETWORLD.COM*
by The Jim Henson Company, Inc.*



BLACK AND WHITE*
by Lionhead Studios Limited*



INCOMING FORCES*
by Rage Games Ltd*

AUDIO

DIGITAL VIDEO

IMAGING

COMMUNICATIONS

ENTERTAINMENT

Intel® Pentium® 4 Processor Benefits

- Improves frame-rate in complex scenes such as many moving objects, explosions and other effects.
- Allows improved performance for decompressing audio files.
- Improves performance of voice-over-network technology.
- Allows a higher maximum number of ships in a mission due to efficiencies in processing 3D objects.

Activision*

Star Trek:* Armada II

PRODUCT OVERVIEW

REAL-TIME STRATEGY GAME

Star Trek*: Armada II, published by Activision, is a real-time strategy game taking place in the Star Trek universe. Play as one of several races managing resources, battling enemies and exploring space.





Activision
3100 Ocean Park Blvd
Santa Monica, CA 90405
USA
310-255-2000
www.activision.com

Intel® Pentium® 4 Processor Benefits

- Uses optimized geometry pipeline in OpenGL* – increased frame-rate.
- Increases curved surface viewing distance – increased polygon viewing distance.
- Enhances effects system – allows higher quality of effect in a scene.

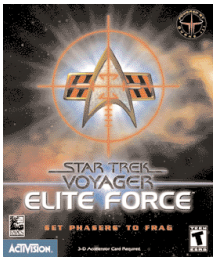
Activision*

Set Phasers to Frag*

Star Trek:* Voyager Elite Force*

PRODUCT OVERVIEW

Star Trek*: Voyager Elite Force,* published by Activision, is a first person shooter game using the Quake III Arena* engine, based on the Star Trek: Voyager series. Join the crew of *Voyager* as Ensign Munro to explore strange environments and battle new aliens in the Delta Quadrant.





ACTIVISION.

Activision
3100 Ocean Park Blvd
Santa Monica, CA 90405
USA
310-255-2000
www.activision.com

Intel® Pentium® 4 Processor Benefits

- With the power offered by the Intel® Pentium® 4 processor, the DM² software can deliver compelling and original song mixes.
- Using the Intel® Pentium® III processor Streaming SIMD Extensions (SSE) and Intel Pentium 4 processor Streaming SIMD Extensions 2 (SSE2) instruction sets, the DM² optimized WARP engine allows users to create effects previously not possible.

APZU, Inc*.

DM², Digital Music Mixer*

PRODUCT OVERVIEW

The DM², Digital Music Mixer,* plugs into your computer to create your own mixing studio, packed with high-tech tools and unique features. Create a 16-track mix in real time using beats, vocals and effects from 30 Mixman Singles, over 600 individual tracks or even a track of your own.





APZU, Inc.
1955 Grand Ave
El Segundo, CA 90245
USA
310-252-5260
www.my-dm2.com

Intel® Pentium® 4 Processor Benefits

- The next level of technology connects with the aspiring musician and DJ.
- Rapid transformation of music loops in time and space.
- Audio effects presented through an interactive parameter-morphing map.
- Optimized for Intel® Pentium® III Streaming SIMD Extensions (SSE).
- Optimized for cache control instructions.

Cakewalk*

Cakewalk Plasma*

PRODUCT OVERVIEW

Plasma* is a music creation program that allows non-musicians to produce original songs on their PC. Remix loops in a simple drag and drop fashion. Change pitch and tempo on the fly. Record vocals, instruments or the built-in soft-synths. Finish off the mix with included audio effects. Also features the Plasma FXPad* – the first joystick-controllable multi-effects processor for Windows*.



Cakewalk
51 Melcher Street
Boston, MA 02210
USA
617-423-9004
www.cakewalk.com

Intel® Pentium® 4 Processor Benefits

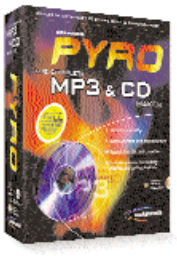
- Personal music management catches up to the speed of life.
- Rapid audio encoding to formats like MP3.
- Faster Environment Sound Processing (ESP).
- Optimized for Intel® Pentium® III processor Streaming SIMD Extensions (SSE).
- Optimized for cache control instructions.

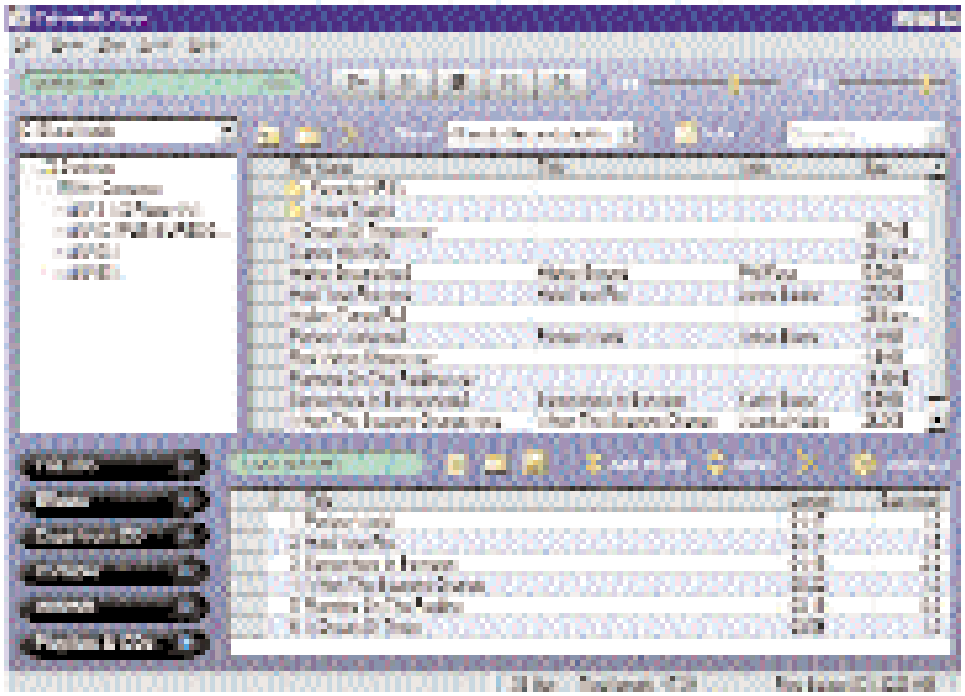
Cakewalk*

Cakewalk Pyro*

PRODUCT OVERVIEW

Pyro* is the complete system for recording, playing and organizing digital music. Pyro's features include audio and music data CD burning, ripping from CDs to MP3s, recording from LPs and cassettes, and transferring to portables. Pyro is also a PC jukebox for music listening. The program's intuitive layout makes it easy to rip, record and burn music in minutes.

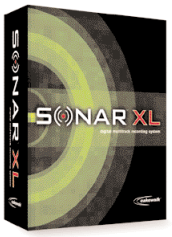




Cakewalk
51 Melcher Street
Boston, MA 02210
USA
617-423-9004
www.cakewalk.com

Intel® Pentium® 4 Processor Benefits

- The professional music studio moves inside the Intel®-powered PC.
- Additional digital audio tracks.
- More simultaneous audio effects for real-time processing.
- Faster offline processing of audio effects.
- More sophisticated DXi music instrument synthesizers.
- Optimized for Intel® Pentium® III processor Streaming SIMD Extensions (SSE).
- Optimized for cache control instructions.

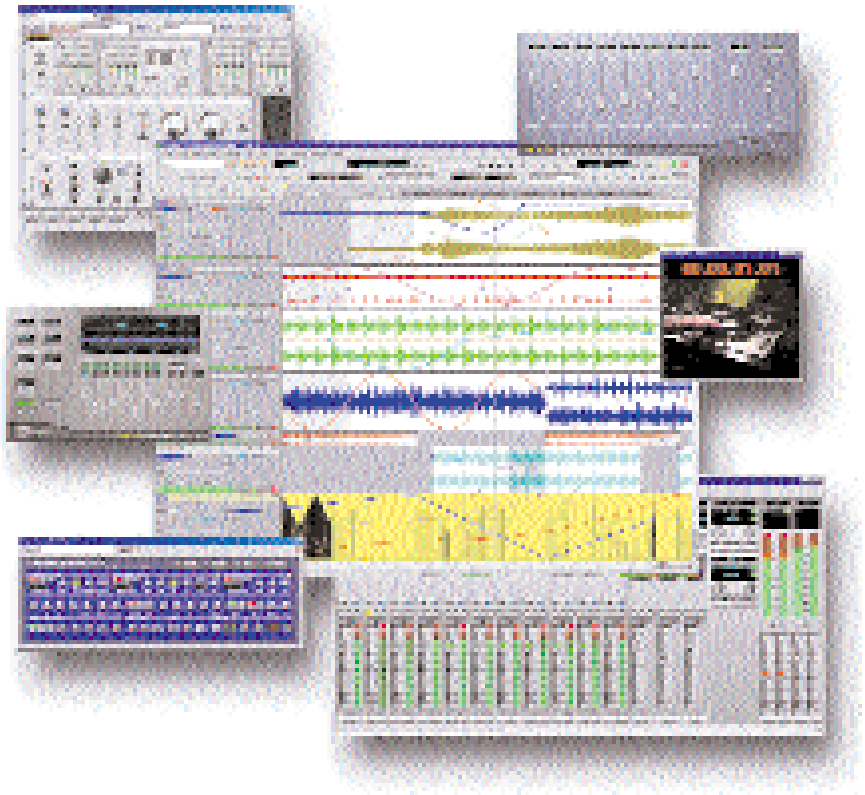


Cakewalk*

SONAR*

PRODUCT OVERVIEW

The SONAR* digital multitrack recording system is a new generation of professional audio technology from Cakewalk, the leading developer of music and sound software for Windows*. Musicians choose SONAR for recording, editing, mixing, and delivering audio for CDs, video and film scores, the Internet or any multimedia project. SONAR offers speed, precision, elegance, and stability in a complete production environment.



Cakewalk
51 Melcher Street
Boston, MA 02210
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617-423-9004
www.cakewalk.com

Intel® Pentium® 4 Processor Benefits

- Quick processing speeds enable fast application of special effects.
- High-performance processing speeds up manipulation of graphics.

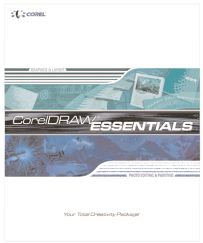
Corel Corporation*

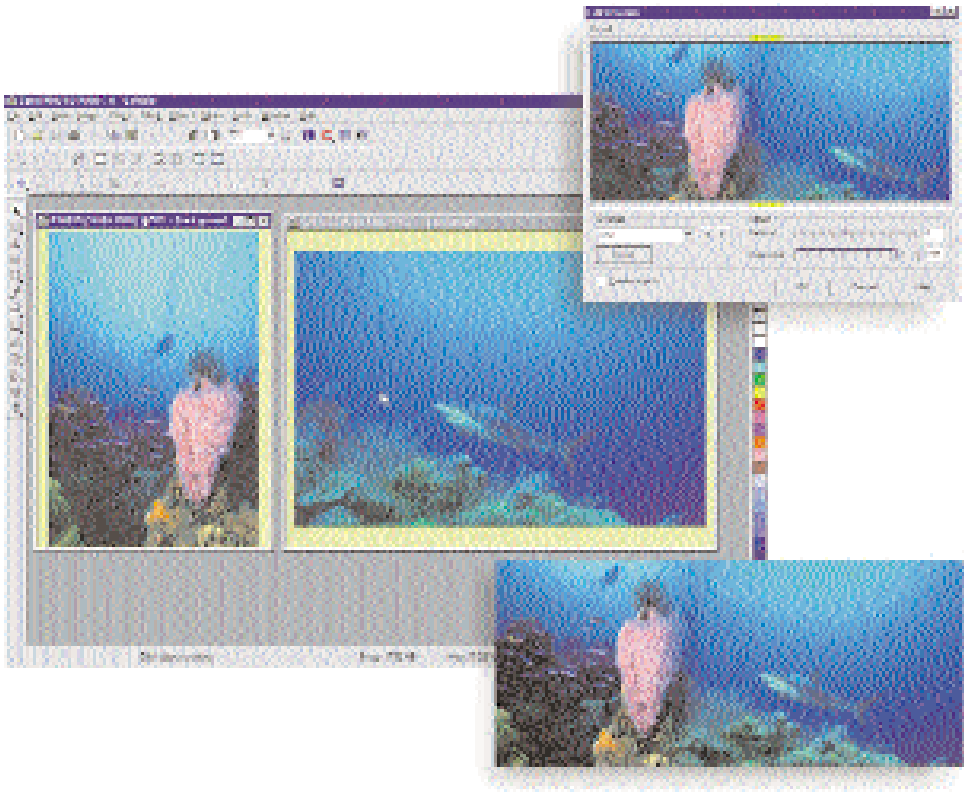
*Your Total Creativity Package**

CorelDRAW* ESSENTIALS

PRODUCT OVERVIEW

Experience the next level of creativity with CorelDRAW* Essentials. Featuring a perfect balance of power and ease of use, this value-packed suite will help you create spectacular-looking graphics for print or the Web. Award-winning graphics, page layout, photo-editing and painting software gives you a total creativity package.





Corel Corporation
1600 Carling Ave
Ottawa, Ontario K1Z 8R7
Canada
613-728-8200

www.corel.com/drawessentials

Intel® Pentium® 4 Processor Benefits

- Requiring simultaneous processing of multiple video streams, DartTrainer* uses Intel® Pentium® III processor Streaming SIMD Extensions (SSE) and Intel® Pentium® 4 processor Streaming SIMD Extensions 2 (SSE2) for blending and image transformations.
- DartTrainer has a higher frame rate on the Intel Pentium 4 processor – projecting ~25 fps @ 720x480 resolution, resulting in a smoother motion for viewer.
- DartTrainer requires the use of algorithms, such as the spatio-temporal realignment method, to compensate for the moving camera. Users can expect up to a 50% faster video processing and rendering on the Pentium 4 processor.

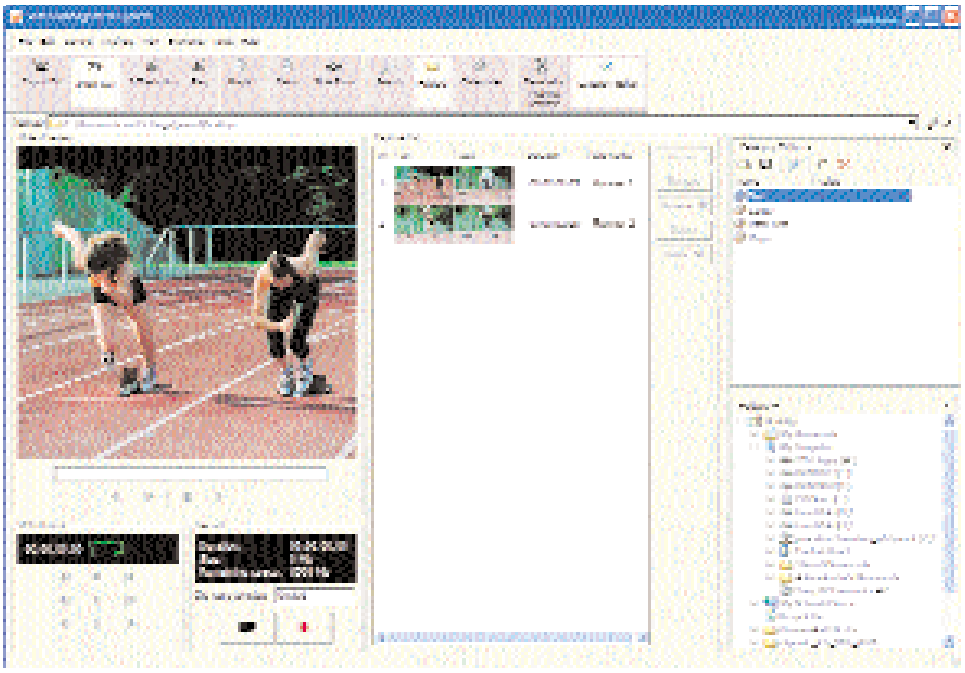
Dartfish*

We Make the Invisible Visible

DartTrainer*

PRODUCT OVERVIEW

DartTrainer* by Dartfish* is a high performance training application using digital video graphics to deliver real-time feedback along with breakthrough analysis features. The software, based on powerful Dartfish technology, allows for the breakdown and analysis of movement within any training environment.



Dartfish
Route de la Fonderie 6 CP53
Fribourg CH-1705
Switzerland
+41 26 425 48 50
www.dartfish.com

Intel® Pentium® 4 Processor Benefits

- FlipAlbum* 4.5 utilizes the processing power of the Intel® Pentium® 4 processor to create realistic multiple 3D flipping pages complete with shading and text anti-aliasing effects.
- FlipAlbum 4.5 takes advantage of the Intel Pentium 4 processor Streaming SIMD Extension 2 (SSE2) instruction set introduced on the Intel Pentium 4 processor.
- FlipAlbum 4.5 utilizes the processing power of the Intel Pentium 4 processor allowing users to ease of perusing through their favorite photo album or FlipBooks* to previously visited pages with a simple turn of a page.



E-Book Systems, Inc.
1500 Wyatt Drive, Suite 15
Santa Clara, CA 95054
USA
408-919-6675

www.flipalbum.com
www.ebooksys.com

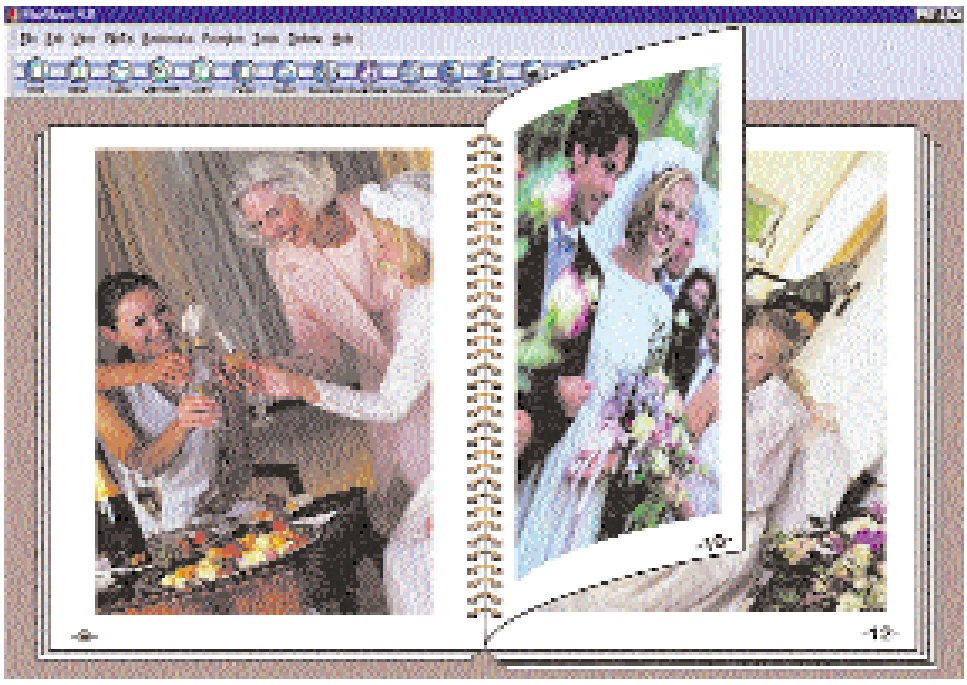
E-Book Systems, Inc.*

Software You Can Handle

FlipAlbum 4.5*

PRODUCT OVERVIEW

E-Book Systems'*, award winning FlipAlbum* is the only software that allows consumers and businesses to instantly create digital photo albums or product catalogs featuring an amazing, life-like 3D page-flipping interface. FlipAlbum's patented "Digital Flip" technology allows electronic books and albums to behave like books do in the real world, down to the detail of turning pages on your computer screen. FlipAlbum's truly WYSISYG interface makes it convenient to organize, compare, manage and present archives of images and data files.



Intel® Pentium® 4 Processor Benefits

- FlipBrowser* utilizes the processing power of the Intel® Pentium® 4 processor to create realistic multiple 3D flipping pages complete with shading and text anti-aliasing effects.
- FlipBrowser takes advantage of the Intel Pentium 4 processor Streaming SIMD Extensions 2 (SSE2) instruction set introduced on the Intel Pentium 4 processor.



E-Book Systems, Inc.
1500 Wyatt Drive, Suite 15
Santa Clara, CA 95054
USA
408-919-6675

www.flipbrowser.com
www.ebooksys.com

E-Book Systems, Inc*.

Software You Can Handle

FlipBrowser 1.5*

PRODUCT OVERVIEW

E-Book Systems', award winning FlipBrowser* is a free client-side application that allows Internet users to view Web pages in a book format complete with 3D flipping pages and bookmarks. By utilizing FlipBrowser technology, Internet users can turn the pages of Web sites instead of scrolling through hard-to-navigate site layouts.

Flip Browser incorporates E-Book Systems' patented Digital Flip technology.

Photo albums, product catalogs, instruction manuals, e-mail newsletters, etc. are all ideal uses for the FlipBrowser.



Intel® Pentium® 4 Processor Benefits

- Intermedia Organizer* (iO) relies on speed-sensitive delivery of thumbnails for image previewing—the faster the delivery, the better the user experience taking advantage of the speed of the Intel® Pentium® 4 processor.
- The new version 2.0 release of iO performs similar compression of video and audio streams for Internet delivery. As people progress from simple media (such as images), to rich media like audio and video, the powerful capabilities of the Pentium 4 processor are critical.
- All of iO's product design and features are focused on enabling intuitive, rapid, convenient and organized sharing of personal digital media.

Intermedia Organizer, Inc*.

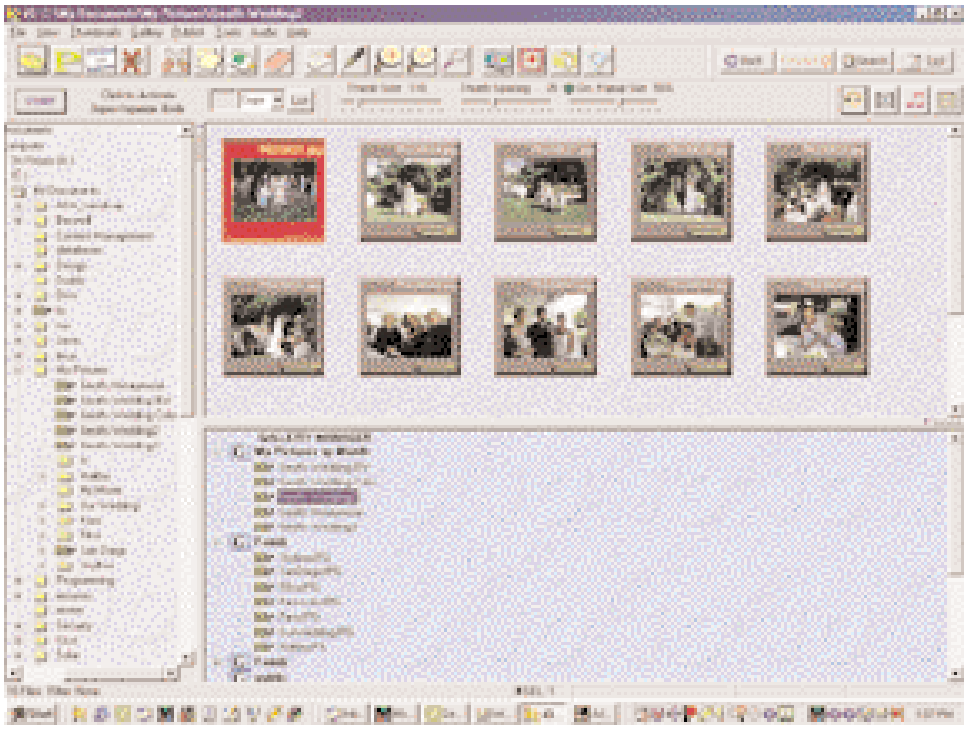
Organize. View. Share.

iO*

PRODUCT OVERVIEW

iO* brings organizing, viewing and sharing your collections of digital images, music and videos together into one, easy-to-use program featuring:

- Media management tools to help organize your digital media files
- Flash* viewer to make editing and showing your galleries easy and attractive
- Instant sharing over the Internet using iO's peer-to-peer Web publisher
- Voice command and control



Intermedia Organizer, Inc.
7551 Sunset Blvd, Suite 100
Los Angeles, CA 90046
USA
323-512-5375
www.intermediaorganizer.com

Intel® Pentium® 4 Processor Benefits

- Real-time full D1 resolution (720x480) capture from analog and DV sources.
- Video output format: MPEG-2 and MPEG-1 program streams.

InterVideo Inc*.

WinCoder*

PRODUCT OVERVIEW

InterVideo's WinCoder* gives you the highest quality capture of digital audio and video for your PC. With this software video recorder, you can preview video from any analog or digital video source and encode it to MPEG-1 or MPEG-2 compressed video formats – all in real time. Perfect for archiving your tapes or transferring video to the PC for editing.



InterVideo Inc.
47350 Fremont Blvd
Fremont, CA 94539
USA
510-651-0888
www.intervideo.com

Intel® Pentium® 4 Processor Benefits

- Variable speed playback with natural audio.
- Higher quality software video processing.

InterVideo Inc*.

WinDVD*

PRODUCT OVERVIEW

InterVideo's WinDVD* is a software DVD player that allows users to enjoy the ultimate DVD experience. WinDVD combines the best picture and sound with advanced features only possible on a PC, which include time stretching (watch movies faster with natural audio), thumbnail bookmarks to instantly find your favorite scenes, fully-adjustable zoom and pan, and more.





INTERVIDEO

InterVideo Inc.
47350 Fremont Blvd
Fremont, CA 94539
USA
510-651-0888
www.intervideo.com

Intel® Pentium® 4 Processor Benefits

- Pause, fast forward, rewind, skip commercials on live TV.
- Real-time, broadcast-resolution software MPEG recording.

InterVideo Inc*.

WinDVR*

PRODUCT OVERVIEW

InterVideo's WinDVR* provides users with high quality digital recording of TV broadcasts to hard drives or other storage devices for future viewing. This software-only product allows you to watch TV programs on a PC with a TV tuner and capture them in real-time on your computer using the highest quality video format available: MPEG-2.



InterVideo Inc.
47350 Fremont Blvd
Fremont, CA 94539
USA
510-651-0888
www.intervideo.com

Intel® Pentium® 4 Processor Benefits

- Increased output for complex video sequences.
- Instant preview without rendering.

InterVideo Inc*.

WinProducer*

PRODUCT OVERVIEW

InterVideo's WinProducer* allows you to grab your video (DV, AVI, MPEG) and digital images – then drag and drop your way to a compelling movie. Professional-quality special effects, including transitions, filters, fast/slow motion, titles, and more. The live editing window shows your results as you go. Add soundtracks from CDs or MP3s and output the results to disc or tape.



InterVideo Inc.
47350 Fremont Blvd
Fremont, CA 94539
USA
510-651-0888
www.intervideo.com

Intel® Pentium® 4 Processor Benefits

- Enable better DSP effect better key-shift control.
- Faster ripping speed and better 3D virtualization algorithm.

InterVideo Inc*.

WinRip*

PRODUCT OVERVIEW

InterVideo's WinRip* is the next generation digital music player/encoder. With WinRip, you can easily create MP3 files from your CD audio collection, surf music sites on the Web and quickly organize your music based on your personal listening preferences. InterVideo's new patent-pending IDI (InterVideo Data Injection*) technology allows you to add text directly into your MP3s during recording.



InterVideo Inc.
47350 Fremont Blvd
Fremont, CA 94539
USA
510-651-0888
www.intervideo.com

Intel® Pentium® 4 Processor Benefits

- Optimized Pulse Player* allows for the fast frame rates, high-quality streaming, and smooth animation in detailed 3D Webisodes.

The Jim Henson Company, Inc*.

www.muppetworld.com*

PRODUCT OVERVIEW

MuppetWorld* is the Muppet*-themed online amusement park that never closes – where kids can play, create and be rewarded.

It's a 3D world filled with Muppets that enables connectivity and creativity for kids, their friends and families.

Created in part with the Henson Digital Performance Studio patented technology to deliver real time CG performances that personalize and react to kids online.



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The Jim Henson Company

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www.henson.com

Intel® Pentium® 4 Processor Benefits

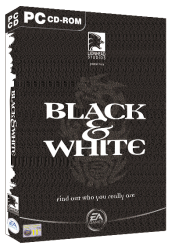
- By using the Intel® Pentium® 4 processor Streaming SIMD Extensions 2 (SSE2), there is a substantial increase in the visual quality of Black and White.
- Visual artifacts such as popping of the landscape are completely eliminated with SSE2 instructions.
- The entire game becomes smoother and more fluid.

Lionhead Studios Limited*

Black and White*

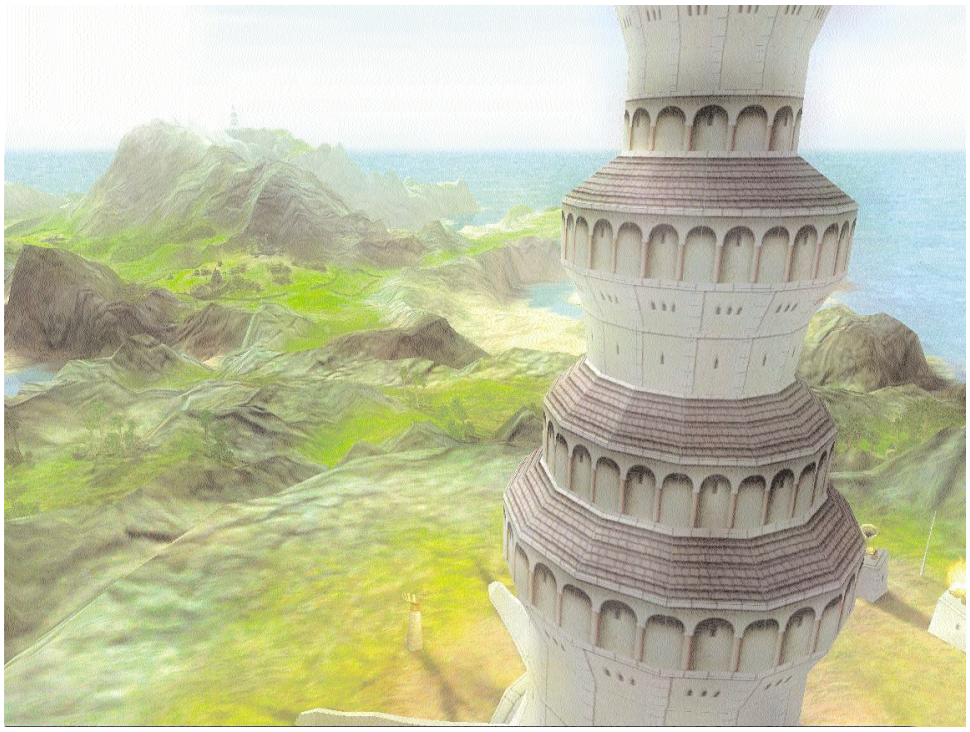
PRODUCT OVERVIEW

BLACK & WHITE*: On its release in April 2001, this ground-breaking strategy game developed by Lionhead Studios in Guildford, Surrey, UK topped PC sales charts in the US and throughout Europe. This revolutionary God-simulation from legendary British designer Peter Molyneux has already received many industry accolades, including a prestigious “Best of the Show” award at E3, the industry’s premier trade show.



LIONHEAD STUDIOS

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Unit 5, Frederick Sanger Road
Guildford, Surrey GU2 5YD
UK
+44-1483-796700
www.lionhead.com



Intel® Pentium® 4 Processor Benefits

- Fast and powerful processing capabilities enhance overall performance and allow CD burning at approximately 8 times the speed.
- Advanced processing performance enables, encodes, and decodes at approximately a 50% faster rate from WAV to MP3.

MAGIX Entertainment Corp*.

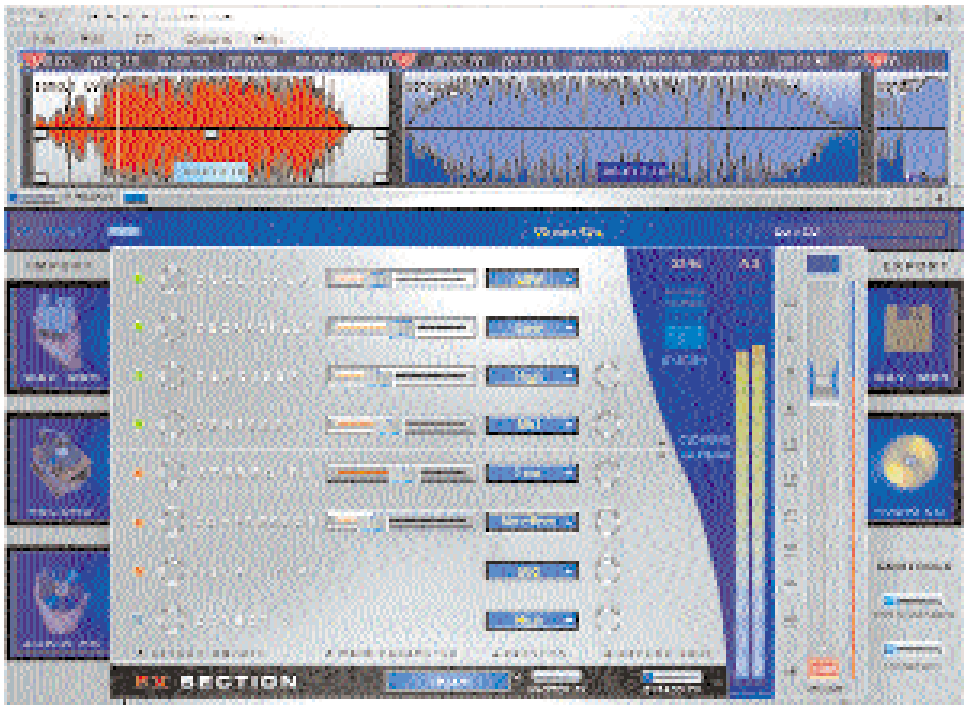
see.hear.feel.create

MAGIX audio cleaning lab*

PRODUCT OVERVIEW

MAGIX audio cleaning lab* lets users revitalize their audio recordings and burn CDs! The easy-to-use wizards guide users through recording and optimizing music from records, cassettes, tapes, CDs and MP3 files. Users can remove background noises like hisses and crackles with a click of the mouse. Also includes special editing features, 16 professional sound effects and much more!





MAGIX Entertainment Corp.
11400 W Olympic Blvd, #450
Los Angeles, CA 90064
USA
310-656-0644
www.magix.com

Intel® Pentium® 4 Processor Benefits

- Fast and powerful processing capabilities enhance overall performance and allow CD burning up to 8 times the speed.
- Advanced processing performance enables encodes and decodes at approximately a 50% faster rate from WAV to MP3.

MAGIX Entertainment Corp*.

see.hear.feel.create

MAGIX mp3 maker gold*

PRODUCT OVERVIEW

MAGIX mp3 maker gold* includes an unlimited high-quality turbo encoder that allows users to convert and edit audio files and burn up to twelve hours of music on a single CD! Special features include an organizer, music editor, sound and EQ effects, burning functions, visual effects, automatic title recognition, Internet search functions and much more.





MAGIX Entertainment Corp.
11400 W Olympic Blvd, #450
Los Angeles, CA 90064
USA
310-656-0644
www.magix.com

Intel® Pentium® 4 Processor Benefits

- Superior image processing for smoother playback of videos in full screen with MPEG-4 compression and up to 4 times more frames per second.
- The Intel® Pentium® 4 processor's advanced processing power enables faster video export to web format.
- Powerful processing for playback of multi-track audio with up to 40% lower CPU usage.

MAGIX Entertainment Corp*.

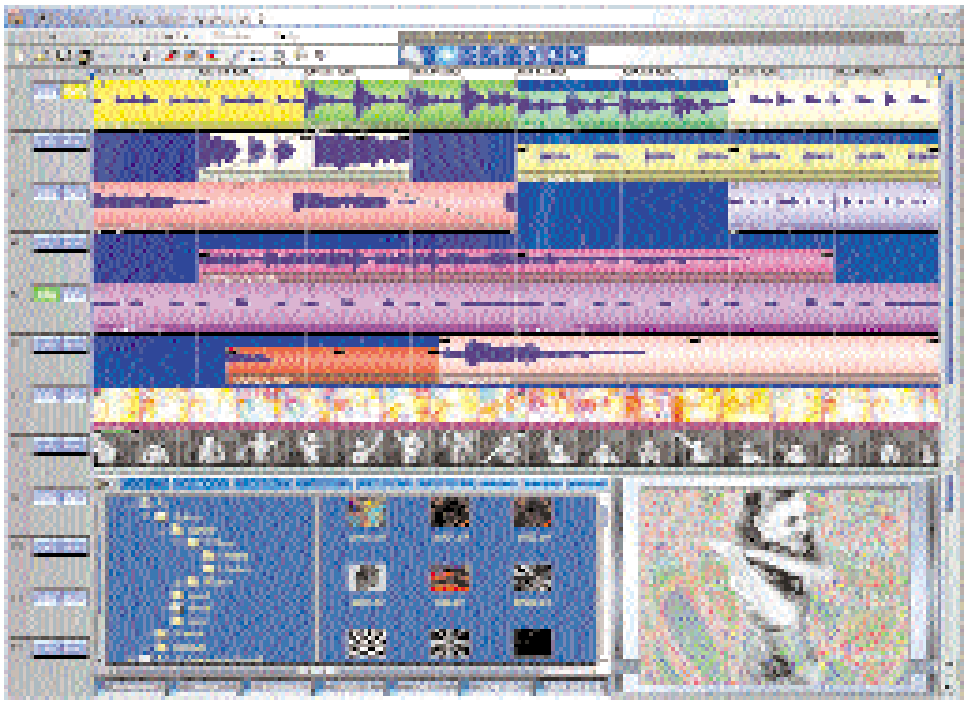
see.hear.feel.create

MAGIX music video maker Generation 6*

PRODUCT OVERVIEW

Users can find their creative potential with MAGIX music video maker Generation 6*. The 48 tracks and 2,000 plus soundloops enable users to bust out cool music that they arranged. The Audio Effects Rack also allows users to tweak vocals, add trippy effects, and create new melodies with virtual synthesizers. Video can directly be captured and edited in the program.





MAGIX Entertainment Corp.
11400 W Olympic Blvd, #450
Los Angeles, CA 90064
USA
310-656-0644
www.magix.com

Intel® Pentium® 4 Processor Benefits

- Enhanced multimedia support enables high quality audio and video encoding compression.
- Real-time rendering: playback of 2 AVIs with bluebox effect or with live input and up to 50% more frames per second.

MAGIX Entertainment Corp.*

see.hear.feel.create

MAGIX playR jukebox XXL*

PRODUCT OVERVIEW

MAGIX playR jukebox XXL* is the next generation jukebox to play and remix music and videos. MP3s and CDs can be ripped, played, remixed and even combined with personal home videos and pictures. Users can choose from over 1,100 included music and video files, or sample their own with numerous DJ functions. Finished remixes can instantly be published online.





MAGIX Entertainment Corp.
11400 W Olympic Blvd, #450
Los Angeles, CA 90064
USA
310-656-0644
www.magix.com

Intel® Pentium® 4 Processor Benefits

- High-level processing for faster decoding, fading and encoding of DV video.
- Advanced graphic support enables smoother transitions, effects and other DV video functions.
- The Intel® Pentium® 4 processor's high performance processing decreases the use of CPU power by up to 35% when previewing slide transitions with DV streams.



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USA
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www.magix.com

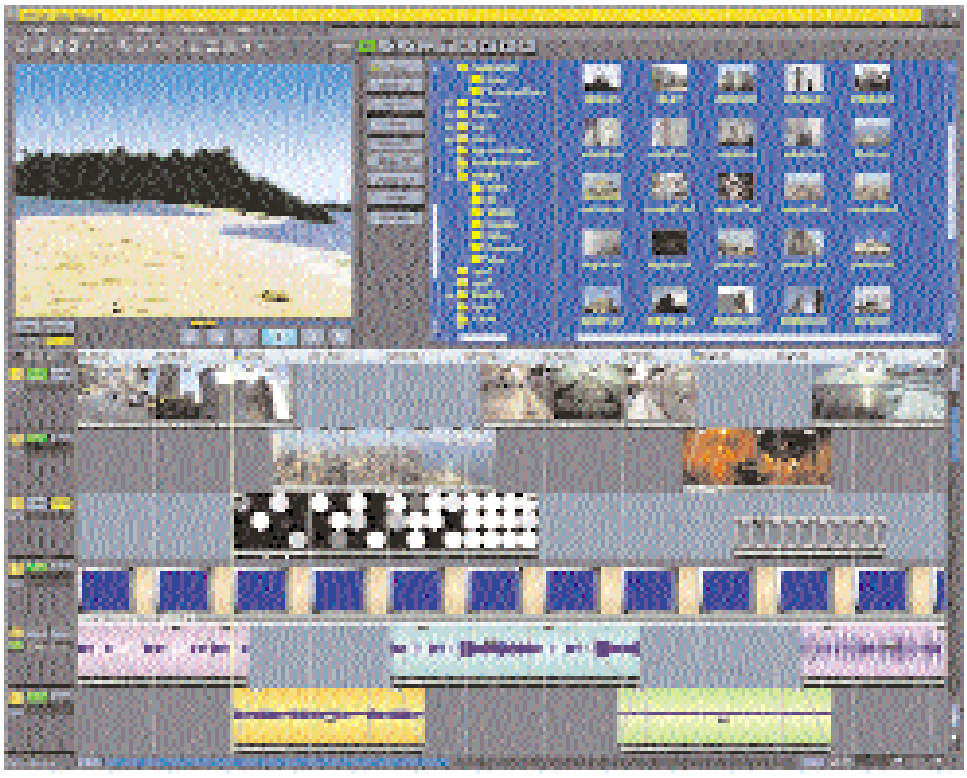
MAGIX Entertainment Corp*.

see.hear.feel.create

MAGIX video deLuxe*

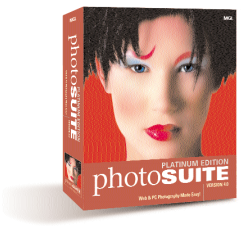
PRODUCT OVERVIEW

MAGIX video deLuxe*, the all-in-one Video Creator, Editor, Recorder and Video Mailer! Users can create professional digital recordings of their favorite movies, make quick homemade videos or generate high quality business presentations. Video deLuxe includes cool special effects, a huge sound and video library, transitions, add-ins and much more. Users will find everything they need to create stunning videos!



Intel® Pentium® 4 Processor Benefits

- Enhanced rendering allows PhotoSuite* to display changes (edits or applied effects) made to images extremely quickly.
- Processing power allows for dynamic zooming capabilities giving users the ability to quickly zoom in and out of images. Useful when performing pixel-level editing.
- Incorporation of the Intel Performance Library (IPL) allows up to a 30% increase in speed when using the alpha blending feature (the ability to make parts of a photo transparent – particularly useful when overlaying photos in a project).



MGI Software Corp.
50 West Pearce Street
Richmond Hill, ON L4B 1E3
Canada
905-764-7000
www.mgisoft.com

MGI Software Corp*.

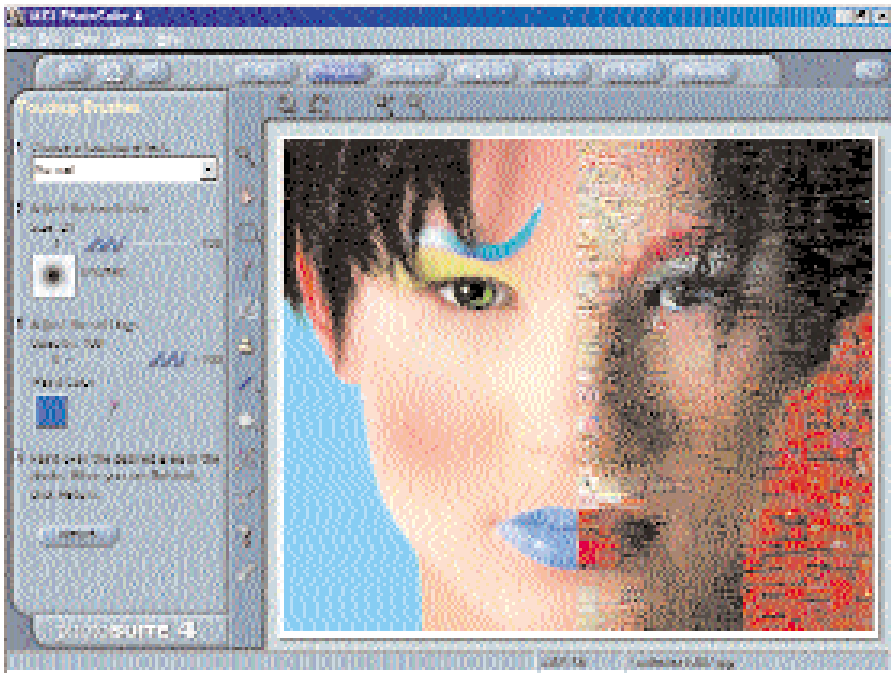
Create Unique Experiences

MGI PhotoSuite* 4-Platinum Edition

PRODUCT OVERVIEW

MGI PhotoSuite* 4-Platinum Edition is Web and PC Photography made easy. Consumers' favorite now includes additional photo-enhancement tools, fresh content, and more photo-sharing capabilities. In addition, new Web features allow users of any experience to create stunning, image-rich personal Web pages in minutes, complete with 360-degree panoramas and animated GIFs. The program includes tools for organizing photos, audio and video clips into easy-to-search albums, presenting photos in compelling multimedia slide shows, and sharing photos and creations through e-mail or via an online photo community.

Users can even stitch together as many as 48 photos, or turn a photo into a dramatic mosaic of small thumbnail photos.



Intel® Pentium® 4 Processor Benefits

- Enhanced support for faster video encoding.
- Increased processing power for real-time previewing.
- New Intel® Pentium® 4 processor Streaming SIMD Extensions 2 (SSE2) improve video processing.

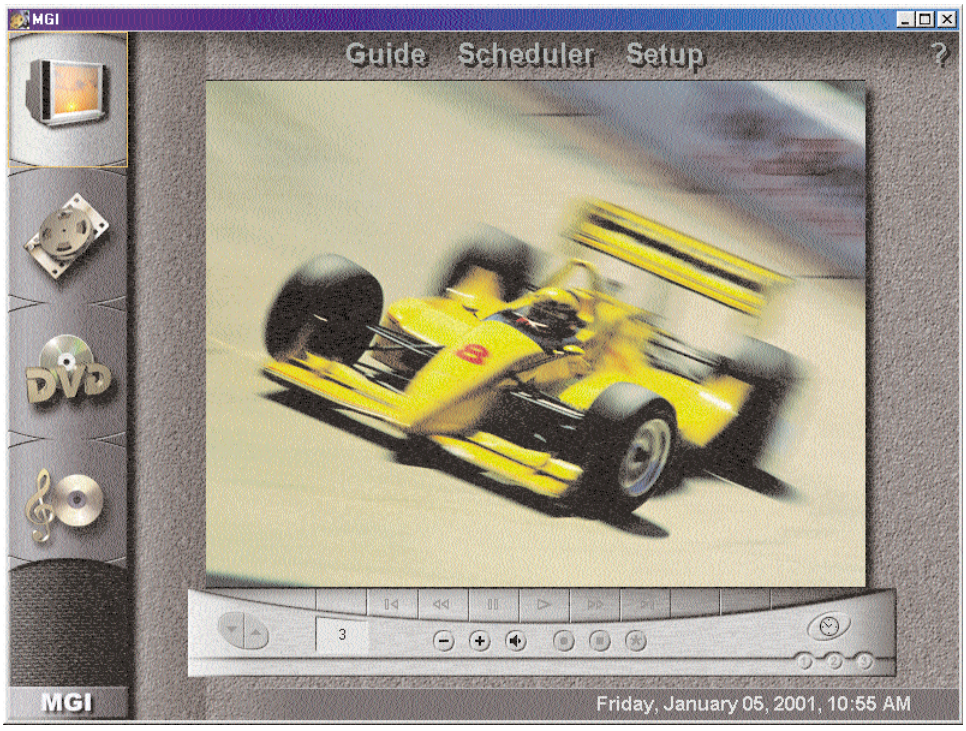
MGI Software Corp*.

Create Unique Experiences

MGI-TV*

PRODUCT OVERVIEW

MGI-TV* turns the PC into a digital home media center combining the capabilities of the TV, VCR, DVD and CD player. Advanced features include the ability to simultaneously encode and decode video streams, enabling viewers to pause live TV. An online program guide (EPG) makes VCR programming point-and-click simple.



MGI Software Corp.
50 West Pearce Street
Richmond Hill, ON L4B 1E3
Canada
905-764-7000
www.mgisoft.com

Intel® Pentium® 4 Processor Benefits

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- Increased processing power for real-time previewing.
- New Intel® Pentium® 4 processor Streaming SIMD Extensions 2 (SSE2) improves video processing.

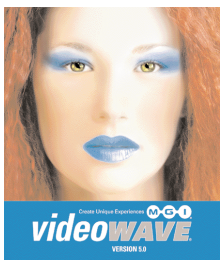
MGI Software Corp*.

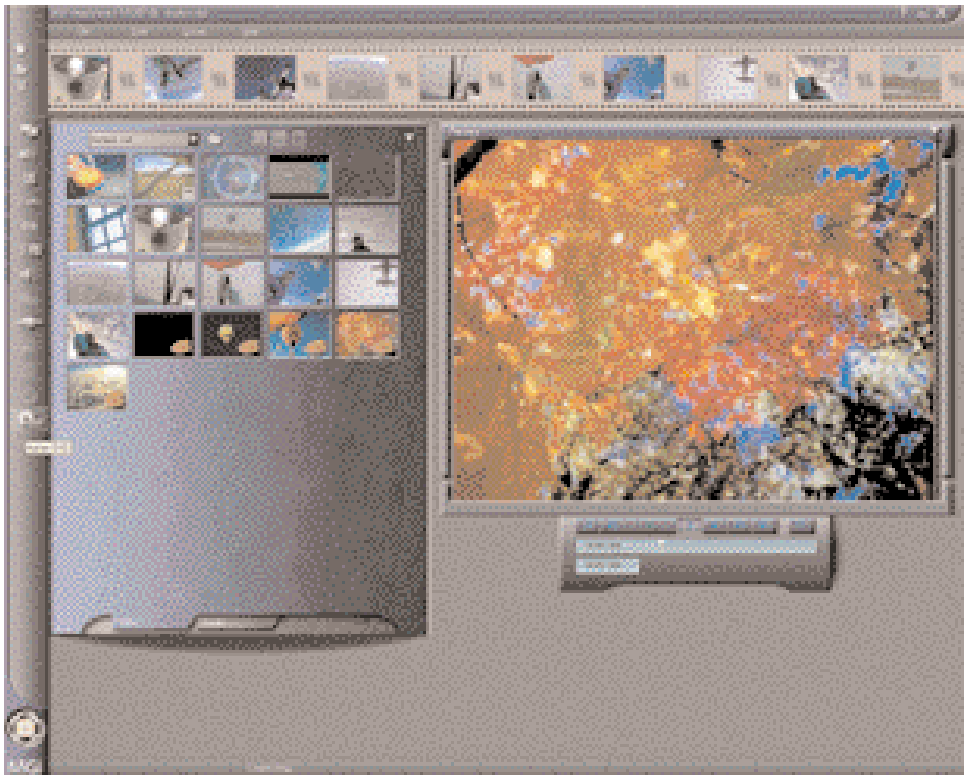
Create Unique Experiences

Videowave* 5

PRODUCT OVERVIEW

MGI's VideoWave* 5 is the complete digital video experience for businesses and home enthusiasts. You can easily create professional-quality business presentations, home movies on DVD, video for Web sharing and more. Unique, new DVD authoring and burning features give you more capabilities, with easy-to-follow guidelines that make creating your masterpiece a snap.





MGI Software Corp.
50 West Pearce Street
Richmond Hill, ON L4B 1E3
Canada
905-764-7000
www.mgisoft.com

Intel® Pentium® 4 Processor Benefits

- Faster ripping speeds, converting CDs to MP3 files.
- Faster ripping speeds, converting CDs to WAV files.
- Faster converting from WAV to MP3.

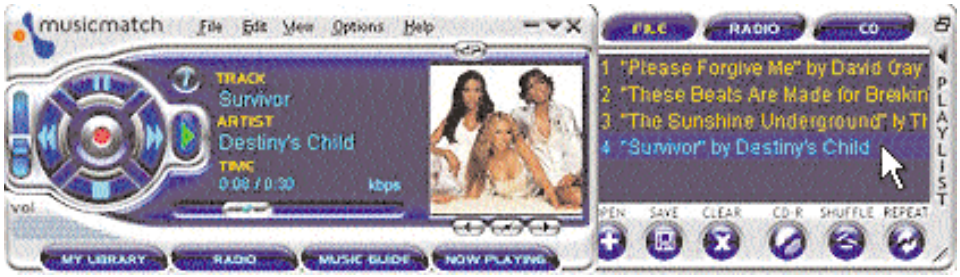
MUSICMATCH*

*Freedom for Music Lovers**

MUSICMATCH Jukebox*

PRODUCT OVERVIEW

MUSICMATCH Jukebox*, winner of more awards than any other jukebox software on the planet, packs power and ease into this all-in-one jukebox program, letting music lovers roll up their sleeves and take control of their music or just sit back, relax and enjoy it. Play and record unlimited MP3s, burn custom CDs, create personalized radio stations, and more!



MUSICMATCH
16935 West Bernardo Drive
San Diego, CA 92127
Country: USA
858-485-4300
www.musicmatch.com

Intel® Pentium® 4 Processor Benefits

- A core feature Pinnacle Express* is the ability to output high quality MPEG-1 and MPEG-2 video files that can be burned onto CD or DVD. Using the Intel® Pentium® 4 processor's advanced instruction set, MPEG encoding has high performance and increased quality.

Pinnacle Systems*

Pinnacle Express*

PRODUCT OVERVIEW

Pinnacle Express* lets you watch your home movies on DVD. Pinnacle Express is everything you need to turn your digital movies into interactive DVDs, videoCDs, or super videoCDs. Express captures directly from your digital camcorder and automatically creates professional looking scene index menus. With Express makes it easy to customize menus, or combine, split and delete scenes.





PINNACLE SYSTEMS

Pinnacle Systems
280 N Bernardo Ave
Mountain View, CA 94043
USA
650-526-1600
www.pinnaclesys.com

Intel® Pentium® 4 Processor Benefits

- Intel® Pentium® 4 processor-optimized MPEG-2 encoding engine.
- A core feature of Pinnacle Studio* is the ability to output high quality MPEG-1 and MPEG-2 video files that can be burned onto CD or DVD. Using the Intel Pentium 4 processor's advanced instruction set, MPEG encoding has higher performance and increased quality.



PINNACLE SYSTEMS

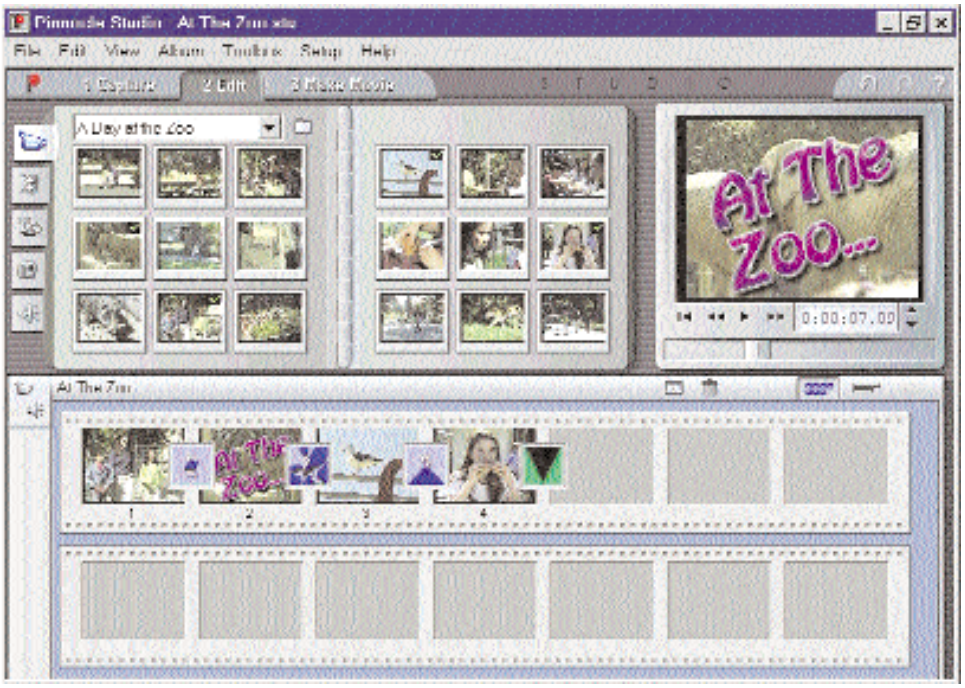
Pinnacle Systems
280 N Bernardo Ave
Mountain View, CA 94043
USA
650-526-1600
www.pinnaclesys.com

Pinnacle Systems*

Pinnacle Studio Version 7*

PRODUCT OVERVIEW

Pinnacle Studio* makes editing and sharing your home movies as easy as 1-2-3. Create professional quality videos for home and business. Choose your best shots and arrange them in any order, then add professional quality titles, scene transitions, music, narration, special effects and more. Share your creation on tapes, as MPEG-1 or MPEG-2 files, or e-mail a video greeting.



Intel® Pentium® 4 Processor Benefits

- High-performance processing supports fast video encoding.
- Enhanced graphics capabilities enable high-quality video playback.

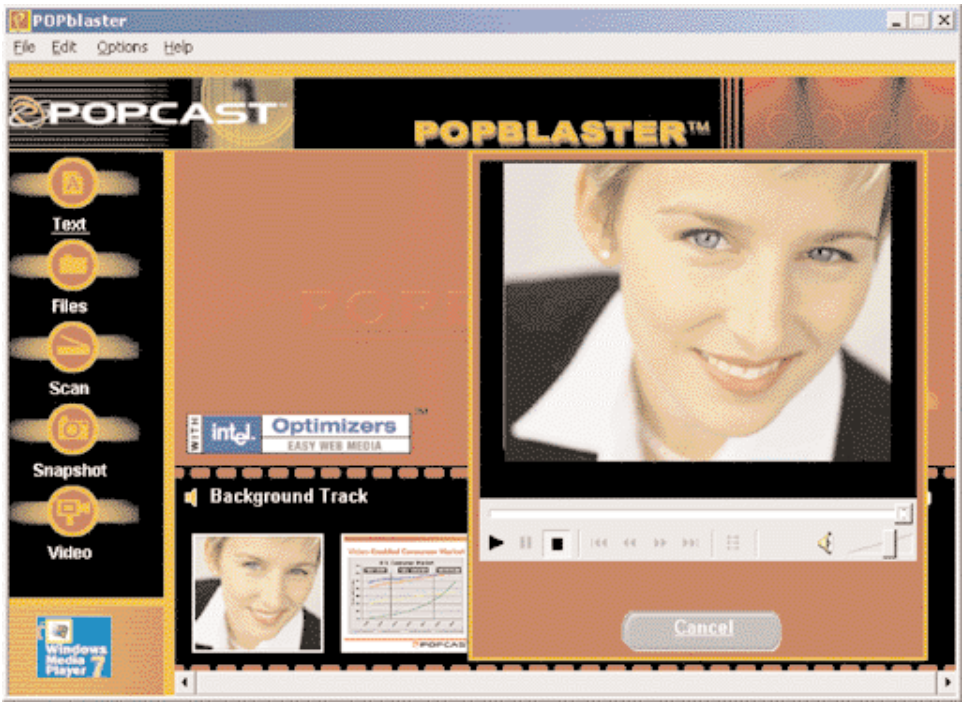
POPcast Communications*

Powering the Video Internet

POPBlaster*

PRODUCT OVERVIEW

POPBlaster*, a POPcast downloadable application, provides a simple "control center" for capturing, encoding and publishing streaming video clips. POPBlaster's technology increases speed and frame optimization over existing solutions. POPBlaster utilizes the Intel® Pentium® 4 processor-based system, resulting in enhanced quality and high-resolution broadband video clips. POPBlaster is integrated with POPcast's proprietary streaming media network, which provides video storage and delivery to anyone worldwide.



POPCAST™

POPcast Communications
6777 Hollywood Blvd, #400
Los Angeles, CA 90028
USA
323-462-5225
www.popcast.com

Intel® Pentium® 4 Processor Benefits

- Incoming Forces* is a balanced application, sharing the heavy geometry load between both the graphics hardware and the Intel® Pentium® 4 processor. Utilizing the performance of the Intel Pentium 4 processor Streaming SIMD Extensions 2 (SSE2), Incoming Forces can maximize graphic throughput.

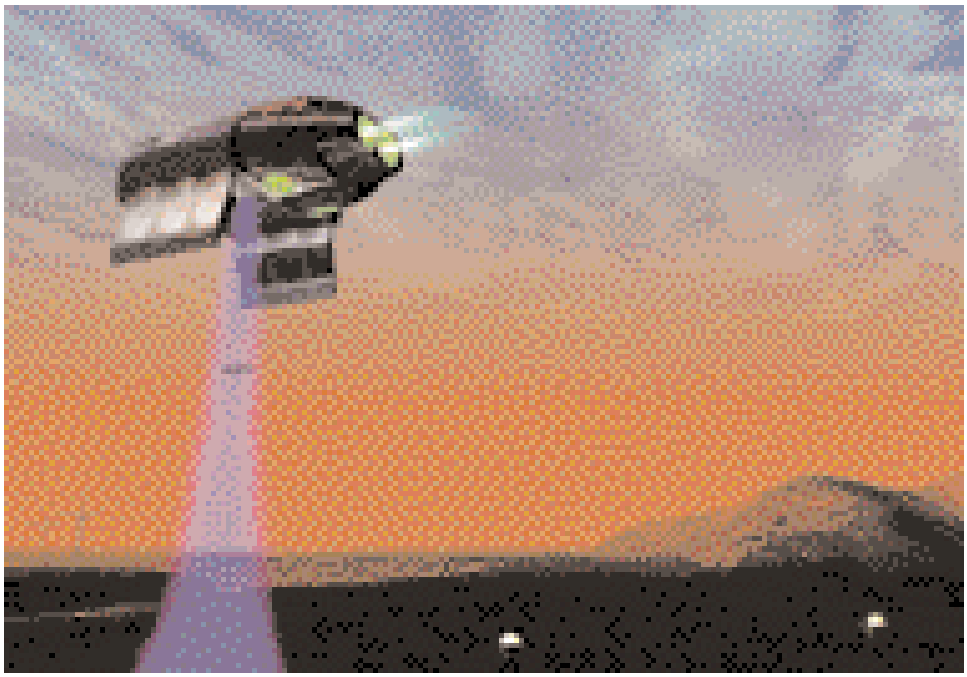
Rage Games Ltd*

Incoming Forces*

PRODUCT OVERVIEW

Incoming Forces* from Rage is the sequel to highly acclaimed Incoming*.

The humans, having successfully defended their planet against alien invasion, are now paranoid. They have become the menace, intent on destroying all intelligent life in the galaxy. In this spectacular, non-stop action game, your task, using a massive range of alien craft and weapons, is to defend an innocent race from the brutal human onslaught.



Rage Games Ltd
Martins Building, Water Street
Liverpool L2 3SP
UK
0151-237-2200
www.rage.com

Intel® Pentium® 4 Processor Benefits

- Higher quality visuals and game dynamics.
- Increased number of spectacular special effects.

Small Rockets*

Makers of great, downloadable games

Kayak Extreme*

PRODUCT OVERVIEW

Take the plunge down some of the world's most thrilling river rides in this simulation of the exciting sport of white water kayaking. River features such as eddies, rocks and waterfalls are all present, combining the latest technology with addictive game play to create a truly extreme racing experience.



Small Rockets
The Old Magistrates Court
71 North Street
Guildford, Surrey
GU1 4AW, UK
+44 (0)1483 445 440
www.smallrockets.com

Intel® Pentium® 4 Processor Benefits

- ACID PRO* provides unlimited tracks. The Intel optimization allows from a greater possible track count.

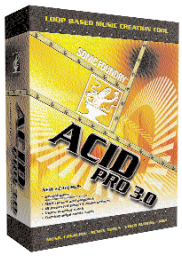
Sonic Foundry, Inc*.

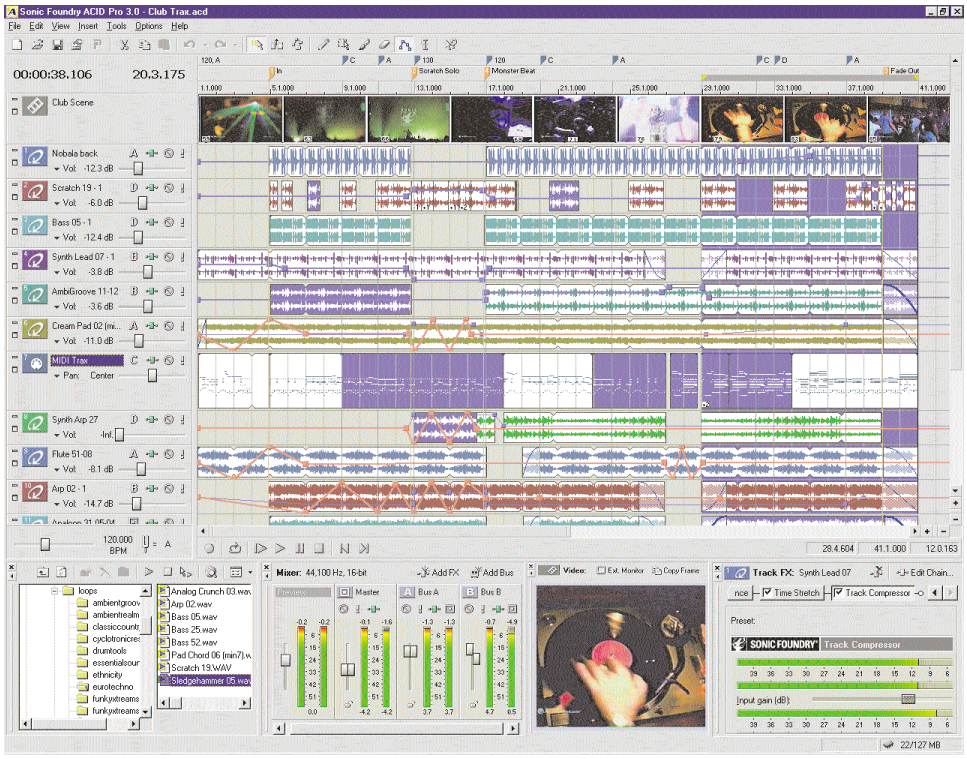
One Source. Countless Solutions.

ACID PRO 3.0*

PRODUCT OVERVIEW

ACID* PRO is an award-winning loop-based music creation tool that allows you to produce original, royalty-free music. Use ACID to create songs, remix tracks, develop music beds, score videos, and develop music for Web sites and Flash* animations.





SONIC FOUNDRY®

Sonic Foundry, Inc.
1617 Sherman Ave
Madison, WI 53704
USA
608-256-3133
www.sonicfoundry.com

Intel® Pentium® 4 Processor Benefits

- The Intel® Pentium® 4 processor's enhanced memory throughput allows UBUBU Universe* to send high-quality geometry to the graphics hardware faster, resulting in improved performance and increased visual quality.
- The increased clock speed of the Intel Pentium 4 processor allows links to be moved by the user in real time on much more sophisticated terrains, allowing terrains to deviate from simple surfaces.
- The Pentium 4 processor's high-bandwidth system bus allows smooth playback of high-quality movies rendered onto 3D surfaces.

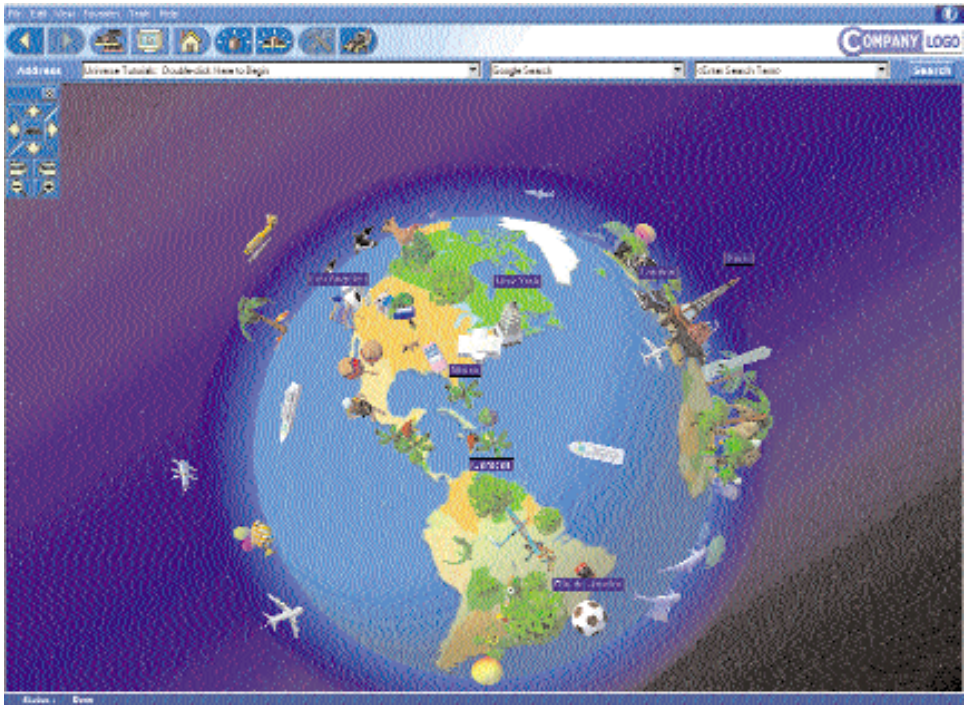
UBUBU, Inc*.

Give Your Customers the Universe

UBUBU Universe*

PRODUCT OVERVIEW

UBUBU delivers customer relationship management through its 3D desktop application, UBUBU Universe*. Components of the UBUBU Universe include a branded "Linkscape" (3D spherical or landscape interface that visually organizes links to Web and PC destinations), "alerts" communications, and a branded browser and branded desktop wallpaper. UBUBU also provides clients with customer data analysis.



UBUBU, Inc.
385 8th Street, #210
San Francisco, CA 94103
USA
415-701-0700
www.ububu.com



V-STITCHER*
by Browzwear International Ltd*



EMAGIC SYNTHESIZER TWO: ES2*
by Emagic Soft & Hardware GmbH*



CLEARBAND*
by Clearband*

COMMUNICATION

ANALYZE AND VISUALIZE

RESOURCE SHARING

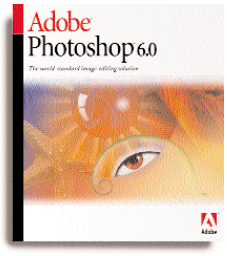
DESIGN AND CREATE

INFORMATION MANAGEMENT

OFFICE PRODUCTIVITY

Intel® Pentium® 4 Processor Benefits

- Broad set of Intel® Pentium® 4 processor optimizations provide speed enhancements throughout application.
- Common color correction and composing functions provide greatest performance increases.
- Enhanced lighting effects filter faster rendering of 3D texture.



Adobe

Adobe Systems Incorporated

345 Park Ave
San Jose, CA 95110
USA
408-536-6000

www.adobe.com

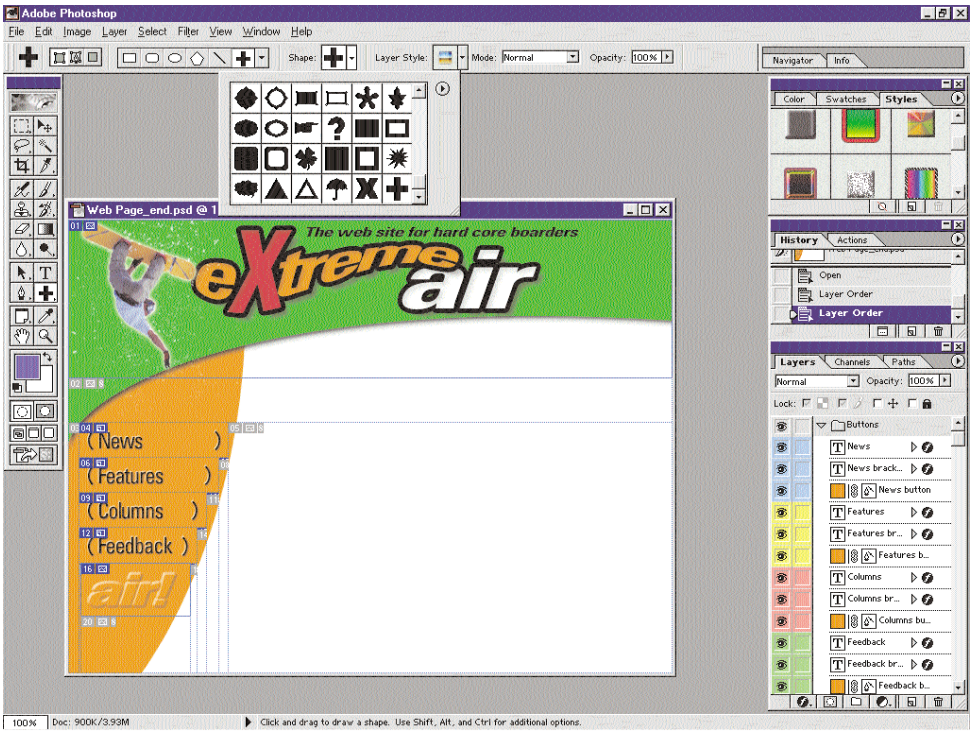
Adobe Systems Incorporated*

Everywhere you look

Adobe* Photoshop 6.0*

PRODUCT OVERVIEW

Adobe* Photoshop* 6.0 software introduces the next generation of image editing with powerful new features that offer something for every user. Delivering the broadest and most productive tool set available, Photoshop helps you explore your creativity, work at peak efficiency, and achieve the highest quality results across all media.



Intel® Pentium® 4 Processor Benefits

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- Enhanced lighting effects filter faster rendering of 3D texture.

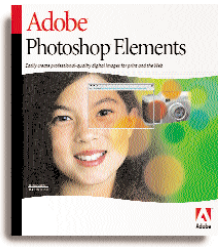
Adobe Systems Incorporated*

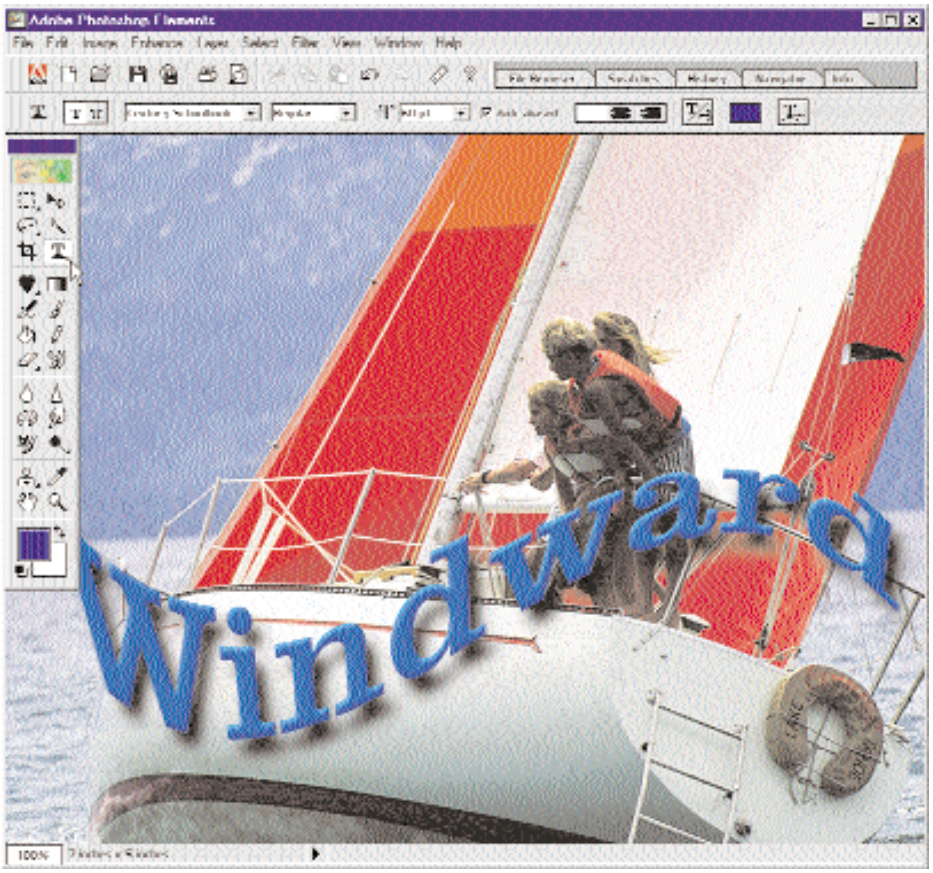
Everywhere you look

Adobe Photoshop Elements*

PRODUCT OVERVIEW

Adobe* Photoshop* Elements software offers unique features designed specifically for amateur photographers, hobbyists, and business users who want an easy-to-use yet powerful digital imaging solution. State-of-the-art image-editing tools free you to explore your creativity while mastering the elements of digital imaging. Work with photos taken with digital or traditional cameras and prepare your graphics for print, e-mail, or posting on the Web.





Adobe Systems Incorporated
345 Park Ave
San Jose, CA 95110
USA
408-536-6000
www.adobe.com

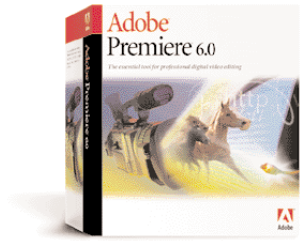
Adobe Systems Incorporated*

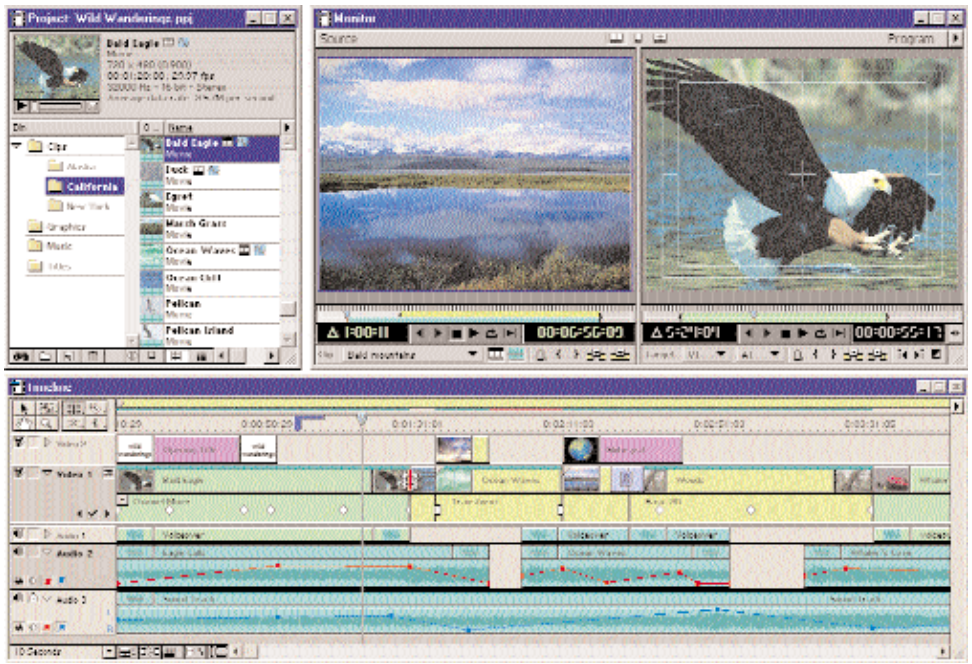
Everywhere You Look

Adobe* Premiere*

PRODUCT OVERVIEW

Adobe* Premiere* is a digital video editing application that lets you create compelling video for any medium, including the Web, DVD, CD-ROM, and videotape.





Adobe Systems Incorporated
345 Park Ave
San Jose, CA 95110
USA
408-536-6000
www.adobe.com

Intel® Pentium® 4 Processor Benefits

- Product is optimized using the Intel® compiler.
- Use of Intel® Pentium® 4 processor Streaming SIMD Extension 2 (SSE2) and the Intel® Netburst™ micro-architecture provided significant improvements in product throughputs.
- Intel Pentium 4 processor-based architecture provides an increase in inactivity between user and data.
- Faster input and computational analysis, and faster output on the Pentium 4 processor allows quick manipulation of extremely large data sets and complex graphic calculations.

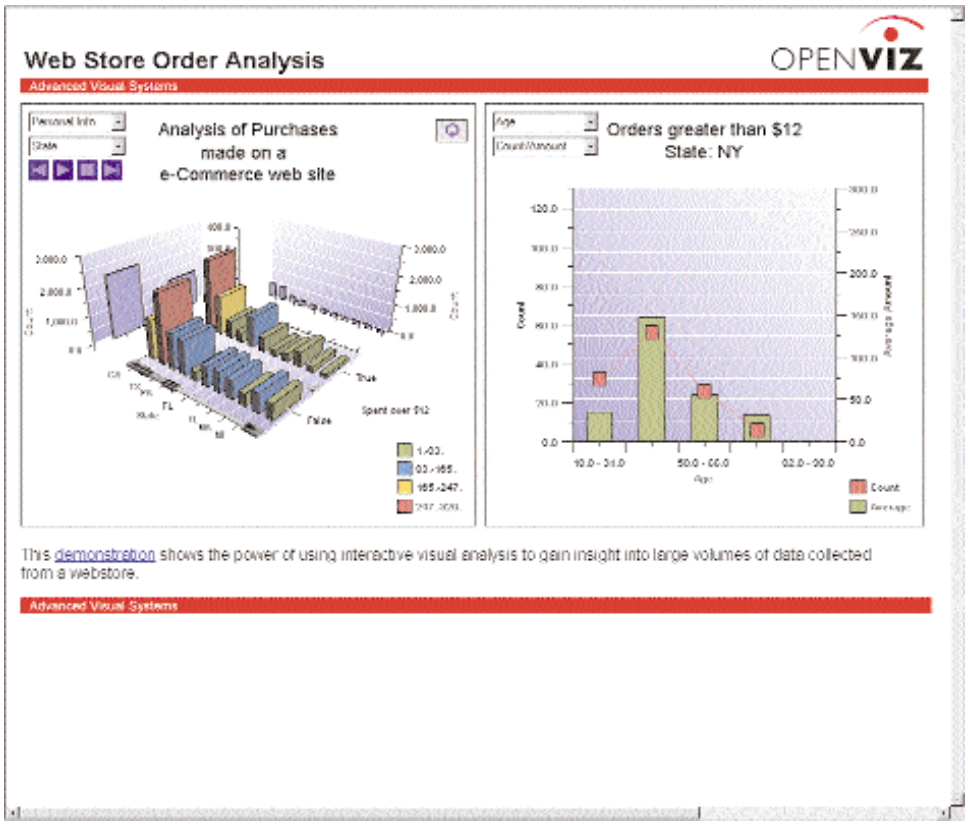
Advanced Visual Systems*

Decisions at the speed of sight

OpenViz*

PRODUCT OVERVIEW

Advanced Visual System's OpenViz* is a set of visualization components using a standard Web technology framework such as ActiveX/COM, JavaBeans* and Java* applets. It provides a standard, well-understood method of converting data into a visual format that can be deployed using Web technology. The product creates professional quality visualizations for both Web display and printed uses.



OPENVIZ

AVS Advanced Visual Systems

Advanced Visual Systems
300 Fifth Ave
Waltham, MA 02451
USA
781-890-4300
www.avs.com

BEA Systems, Inc.*

*BEA How Business Becomes e-Business**

BEA eLink*

PRODUCT OVERVIEW

BEA eLink* is a family of off-the-shelf, enterprise application integration (EAI) products that leverage the BEA e-Commerce Transactions Platform to integrate existing legacy applications with customer focused and business-to-business e-Commerce initiatives.

BEA Tuxedo*

PRODUCT OVERVIEW

BEA Tuxedo* is a proven platform for building solid, easy to manage e-Commerce systems that enable businesses to rapidly launch new products and services, maintaining their competitive advantage. BEA Tuxedo enables companies to rapidly address key business challenges, whether extending customer care to the Internet or developing e-Commerce applications to open new markets.

BEA WebLogic Collaborate*

PRODUCT OVERVIEW

BEA WebLogic Collaborate* provides a powerful, single platform solution for the rapid integration of customer, partner and supplier business processes from dynamic spot supplier relationships to long term, strategic partner contracts.

BEA WebLogic Commerce Server*

PRODUCT OVERVIEW

BEA WebLogic Commerce Server* enables fast deployment of personalized e-Commerce applications that can be modified instantaneously to meet customer demands or take advantage of new market opportunities.

BEA Systems, Inc
2315 N First Street
San Jose, CA 95131
USA
408-570-8000
www.bea.com

Intel® Pentium® 4 Processor Benefits

- The Intel®Pentium® 4 processor enables Browzwear to perform highly accurate cloth simulation over high resolution customized 3D figures in real time.
- The new Intel Pentium 4 processor Streaming SIMD Extension 2 (SSE2) and the faster system bus gives Browzwear a perfect environment for optimizing physical simulation algorithms, thus utilizing the power the Pentium 4 processor offers.

Browzwear International Ltd*:

Taking Apparel Online Shopping to the Next Dimension

C-Me*

PRODUCT OVERVIEW

C-Me* from Browzwear is a virtual fitting room that marks a revolution in apparel online shopping. With C-Me, you take the guesswork out of online shopping, by enabling the shopper to see a true-to-life visualization of clothes on a personalized 3D model. C-Me ensures an accurate fit, enables mix and match, storing items in a virtual closet and more.



BROWZWEAR

Browzwear International Ltd.
3 Nirim Street
Tel-Aviv 67060
Israel
+972 3688 5556
www.browzwear.com

Intel® Pentium® 4 Processor Benefits

- The Intel®Pentium® 4 processor enables Browzwear to perform highly accurate cloth simulation over high resolution customized 3D figures in real time.
- The new Intel Pentium 4 processor Streaming SIMD Extension 2 (SSE2) and the faster system bus gives Browzwear a perfect environment for optimizing physical simulation algorithms, thus utilizing the power the Pentium 4 processor offers.

Browzwear International Ltd*.

Envision True-to-Life Garment Modeling

V-Stitcher*

PRODUCT OVERVIEW

V-Stitcher* from Browzwear is revolutionizing the fashion industry. Powered by a powerful proprietary 3D real-time engine, V-Stitcher offers industry players breakthrough true-to-life 3D garment modeling. The results: reduced time-to-market and improved quality, which translates into enhanced revenue streams.



BROWZWEAR

Browzwear International Ltd.

3 Nirim Street
Tel-Aviv 67060
Israel
+972 3688 5556

www.browzwear.com

Intel® Pentium® 4 Processor Benefits

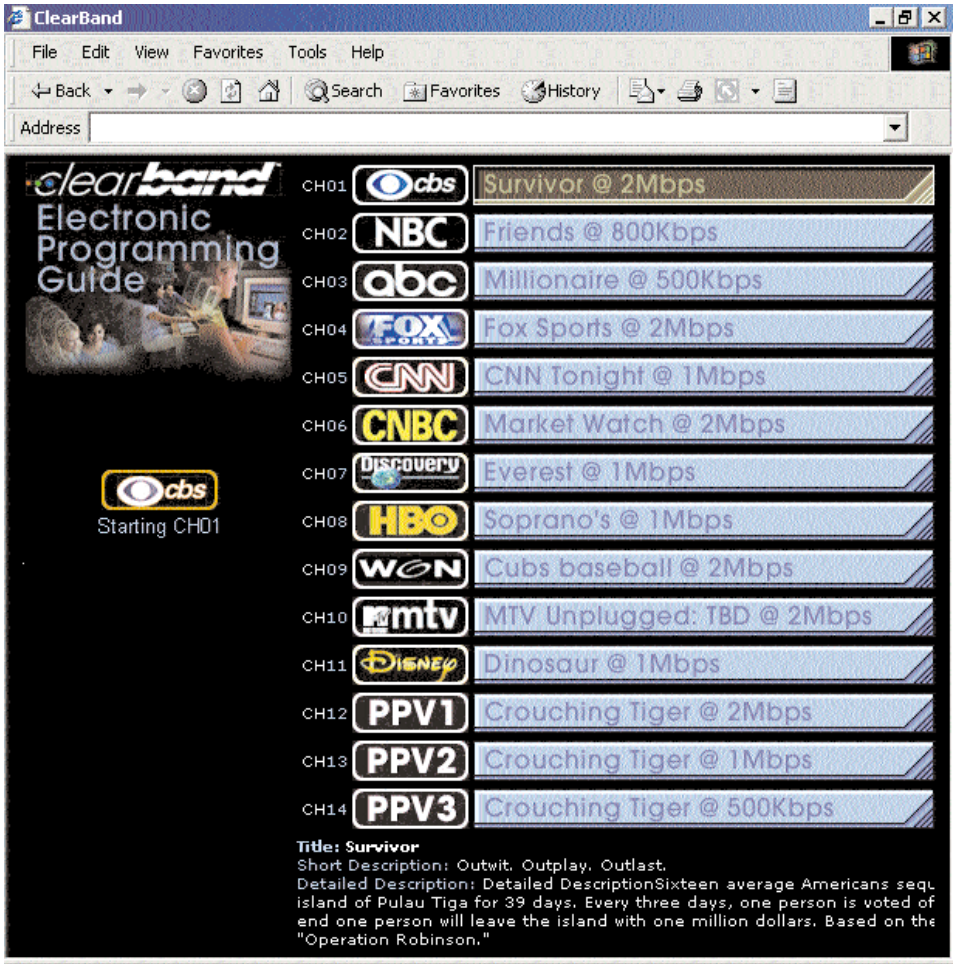
- Increased Performance – The Intel® Pentium® 4 processor reduces the processor overhead needed, allowing more clients to operate on a single workstation.
- Increased Quality – The Pentium 4 processor allows ClearBand* to deliver a real-time High Definition Television (HDTV) stream at 1920x1080.

ClearBand*

ClearBand*

PRODUCT OVERVIEW

The ClearBand* solution brings branded TV and video programming to broadband connected PCs. ClearBand enables the multicasting of full-screen, TV-quality MPEG-2 video over consumer cable and corporate broadband networks. The broadband software solution scales from 300 Kpbs to 2 Mbps with optional encryption, providing full control over picture quality and security.

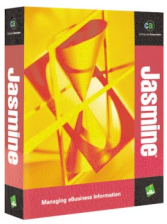


clearband

ClearBand
475 N Martingale Road, Ste 100
Schaumburg, IL 60173
USA
847-969-4100
www.clearband.com

Intel® Pentium® 4 Processor Benefits

- For complex data manipulation and data visualization applications, such as knowledge management and decision support, Jasmine Portal takes advantage of the speed of the Intel® Pentium® 4 processor.
- The power of Neugents* enables e-Business solutions to capture and integrate information from every possible resource – by integrating with the processing power of the Intel Pentium 4 processor.



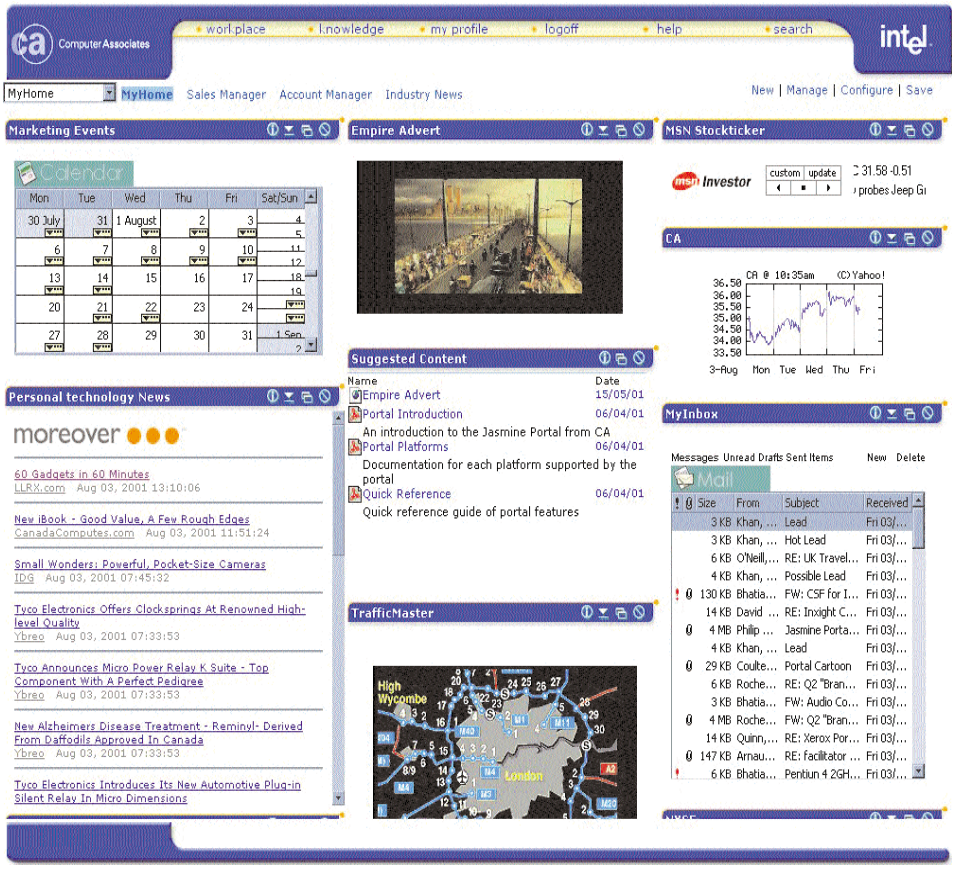
Computer Associates*

The Software that Manages e-Business

Jasmine* Portal

PRODUCT OVERVIEW

Jasmine* Portal from Computer Associates is the personalized e-Business workplace for employees, partners and customers (B2E, B2B and B2C) that provides interactive Web access for all your information needs. For IT, this 100% Java* portal provides a single vendor solution integrating EAI, data warehousing and business intelligence, security and enterprise management, meta data management, and predictive analysis within the Portal.



Computer Associates
One Computer Associates Plaza
Islandia, NY 11749
USA
631-342-5224
www.ca.com

Intel® Pentium® 4 Processor Benefits

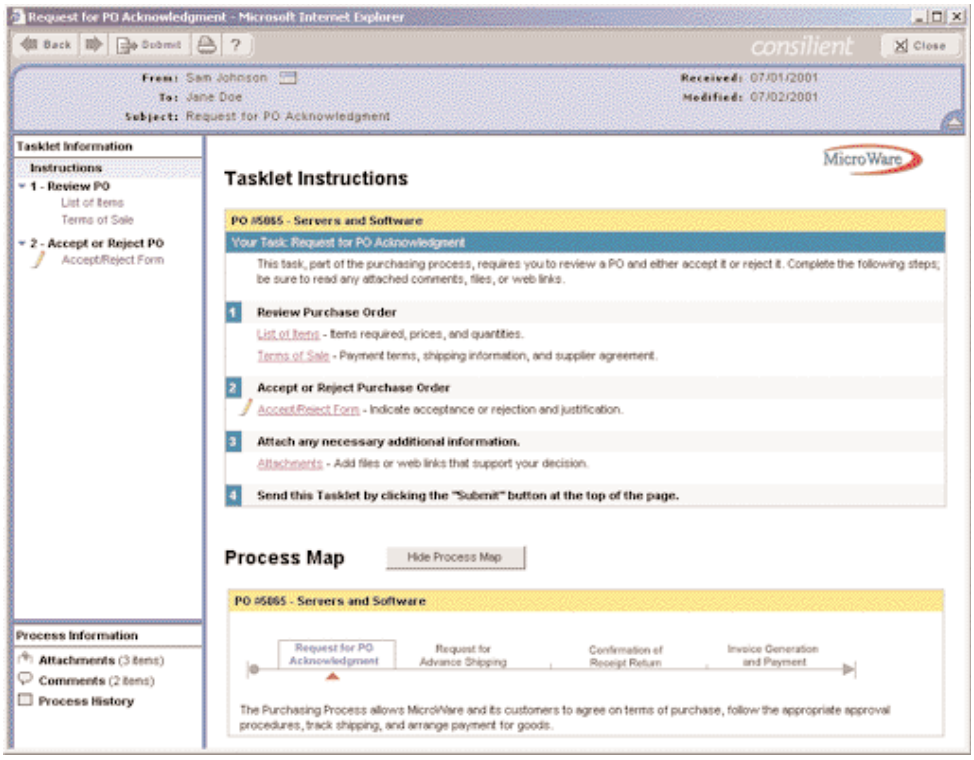
- Consilient uses an IBM Java* Virtual Machine (JVM) optimized for the Intel® Pentium® 4 processor. This improves the end-user experience when running collaborative applications on Consilient's platform.

Consilient Inc*.

The Consilient* Process Collaboration Platform

PRODUCT OVERVIEW

The Consilient* Process Collaboration Platform is fundamentally a new approach to managing the complex business interactions that occur between a company and its network of value-chain partners. The Consilient solution leverages a distributed process architecture to enable a collaborative work environment for coordinating and integrating business processes across disparate networks of people, data, and systems.



Consilient, Inc.
91 Bolivar Drive
Berkeley, CA 94710-2210
USA
510-898-6000
www.consilient.com

Intel® Pentium® 4 Processor Benefits

- Cycore Cult3D* rendering software uses the Intel® Pentium® 4 processor Streaming SIMD Extensions 2 (SSE2) instructions and the Intel® Pentium® III processor Streaming SIMD Extensions (SSE) to speed up processing of real-time 3D graphics. Technically this includes rearranging the data structures to better fit the changed memory subsystem and cache hierarchy in the Intel Pentium 4 processor-based architecture.
- Performance improvements are seen both in the software and hardware rendering pipeline, allowing for higher throughput rates in the T&L (Transform and Lighting) part of the pipeline.

CYCORE Cult3D

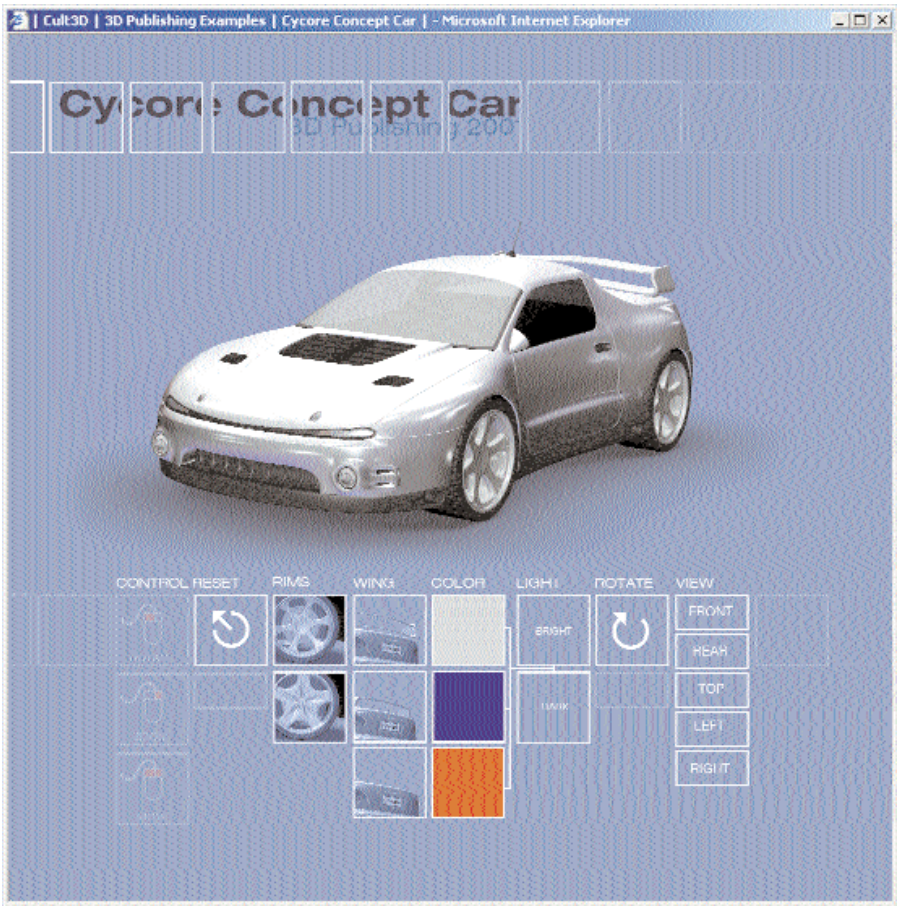
Cycore*

The 3D publishing company

Cycore Cult3D*

PRODUCT OVERVIEW

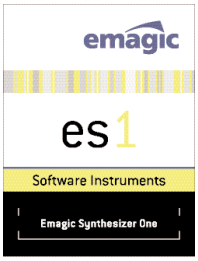
Cycore Cult3D* visualization technology gives Internet, Microsoft* Office, and Adobe Acrobat* users access to a high-quality, interactive 3D product presentation – even on low-bandwidth connections – thanks to the minimal file sizes. Cult3D enhances business communication and lets viewers experience and understand products online, resulting in increased online sales, better site stickiness and higher customer satisfaction while decreasing returns.



Cycore
Dragarbrunnsgatan 35, 2tr.
Uppsala 75320
Sweden
+46 18 656560
www.cycore.com or www.cult3d.com

Intel® Pentium® 4 Processor Benefits

- The Intel® Pentium® 4 processor allows Emagic to continue delivering innovative products that challenge the creative resources of musicians and push the capabilities of modern professional software-based music and audio production.
- The Intel Pentium 4 processor allows developers to use more complex programming algorithms than before, resulting in even more powerful products.
- The Intel Pentium 4 processor allows the simultaneous use of more plug-ins.

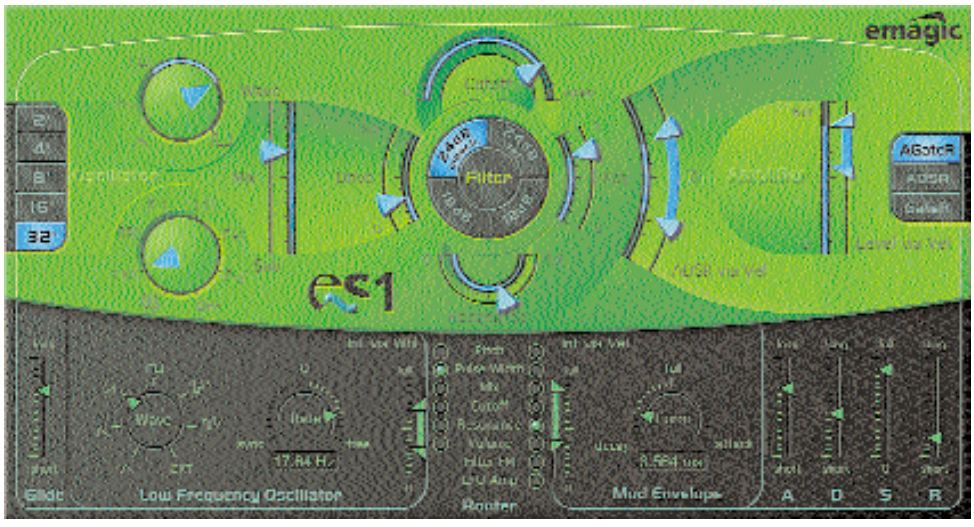


Emagic Soft & Hardware GmbH*

ES1*

PRODUCT OVERVIEW

As a real synthesizer, the ES1* offers extremely flexible tone generation that puts the entire palette of analog sounds at your disposal: earth-shaking basses, rich pads and textures, screaming leads, ultra-sharp percussion and exotic effects.



Emagic Soft & Hardware GmbH
Halstenbeker Weg 96
Rellingen, Schleswig-Holstein 25462
Germany
+49 (0)4101 495 0
www.emagic.de

Intel® Pentium® 4 Processor Benefits

- The Intel® Pentium® 4 processor allowed Emagic to create more filters and different kinds of modulations. As a result, the ES2* offers a powerful high-end solution.

Emagic Soft & Hardware GmbH*

Emagic Synthesizer Two: ES2*

PRODUCT OVERVIEW

The ES2* has up to 16-note polyphony per unit, with 3 oscillators per voice. Oscillators 2 and 3 can sync to oscillator 1. Analog and digital waveforms – including FM, Ring Mod, Noise and others – can be used as sound sources. Additional synthesis options and enveloping is via the amplifier section. A sine wave from oscillator 1 can be mixed with the filter output for increased low end. Modulation sources include 3 envelopes: 2 ADSR with sustain time parameter, one switchable between AD and AR.



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Emagic Soft & Hardware GmbH*

EVP73*

PRODUCT OVERVIEW

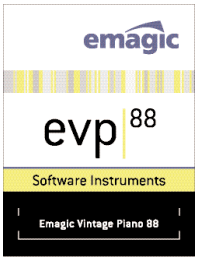
The EVP73* is the reincarnation of arguably the most essential and influential electric piano – the Fender Rhodes Stage Piano Mk II – as a VST plug-in. Sounds are created in real time via a native tone generation system, which dynamically responds to the user's playing style.



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Emagic Soft & Hardware GmbH*

EVP88*

PRODUCT OVERVIEW

The EVP88* provides users with the highly sought after sounds from legendary electric pianos such as the Fender Rhodes Mark I & II Suitcase and Stage series, the Wurlitzer Electric Piano 200A and the Hohner Electra Piano. The EVP88 does not just statically recreate an instrument's tonal characteristics, as would be the case with samples. Rather, it expressively reacts to the player's every nuance with impressive realism.



Intel® Pentium® 4 Processor Benefits

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Emagic Soft & Hardware GmbH*

EXS24*

PRODUCT OVERVIEW

The EXS24*, the Emagic Xtreme Sampler 24 Bit, is a professional polyphonic software sampler for Mac* and Windows*. The basis of an EXS24 sound is an instrument that can have as complex a structure as you wish. The raw material for your instruments can be Akai S1000/S3000, SoundFont2, AIFF, WAV and SDII files from 8- to 24-bit.



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- The Intel Pentium 4 processor allows the simultaneous use of more plug-ins.

Emagic Soft & Hardware GmbH*

EXSP24*

PRODUCT OVERVIEW

The EXSP24*, the Emagic Xtreme Sample Player 24-bit, includes support for Akai* S1000/S3000, SoundFont2*, AIFF, WAV and SDII files from 8- to 24-bit across platforms. Parameter changes, such as enveloping, filtering and modulation can be saved as a preset.

To edit samples and instruments, Logic Audio* and an EXS24* are required.



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Intel® Pentium® 4 Processor Benefits

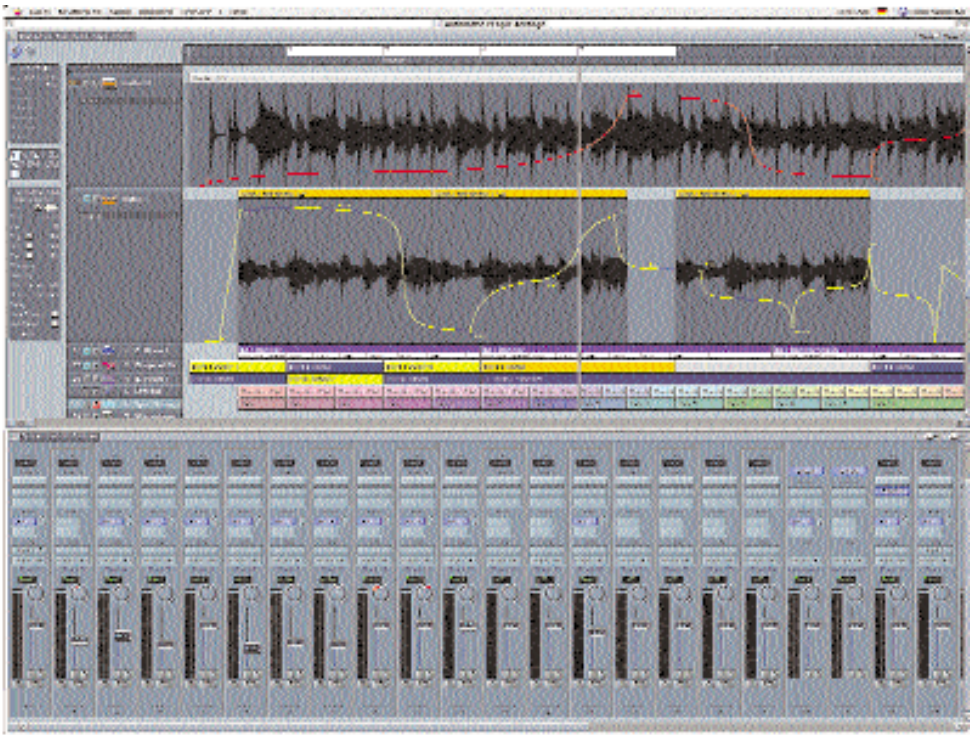
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- The Intel Pentium 4 processor allows developers to use more complex programming algorithms than before, resulting in even more powerful products.
- The Intel Pentium 4 processor allows the simultaneous use of more plug-ins.

Emagic Soft & Hardware GmbH*

Logic Audio Platinum 4.7*

PRODUCT OVERVIEW

As the most powerful product of the Logic Audio series, Logic Audio Platinum* provides the ultimate synthesis of digital audio recording, digital signal processing, MIDI sequencing, and notation. Logic uses the same core code for both the Mac* and Windows* versions, so the choice of whether to use Mac OS or Windows 98 is a simple matter of personal preference.



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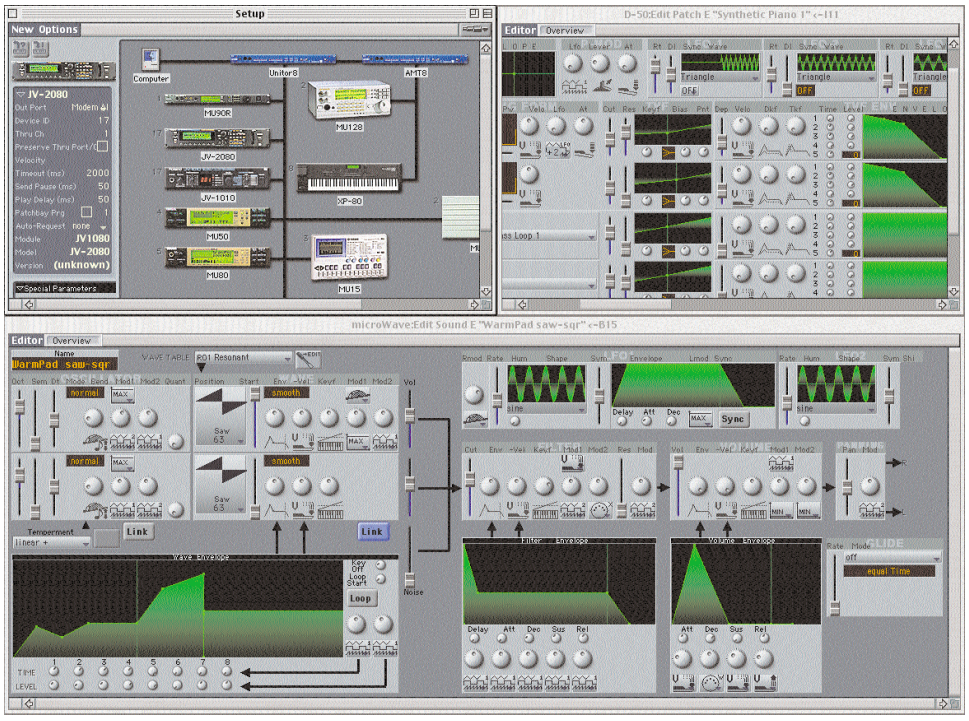
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Emagic Soft & Hardware GmbH*

SoundDiver 3.0*

PRODUCT OVERVIEW

SoundDiver*, one of the most comprehensive MIDI editors and librarians available today, supports a continually expanding range of devices. The new version brings the total number of supported devices to over 570.

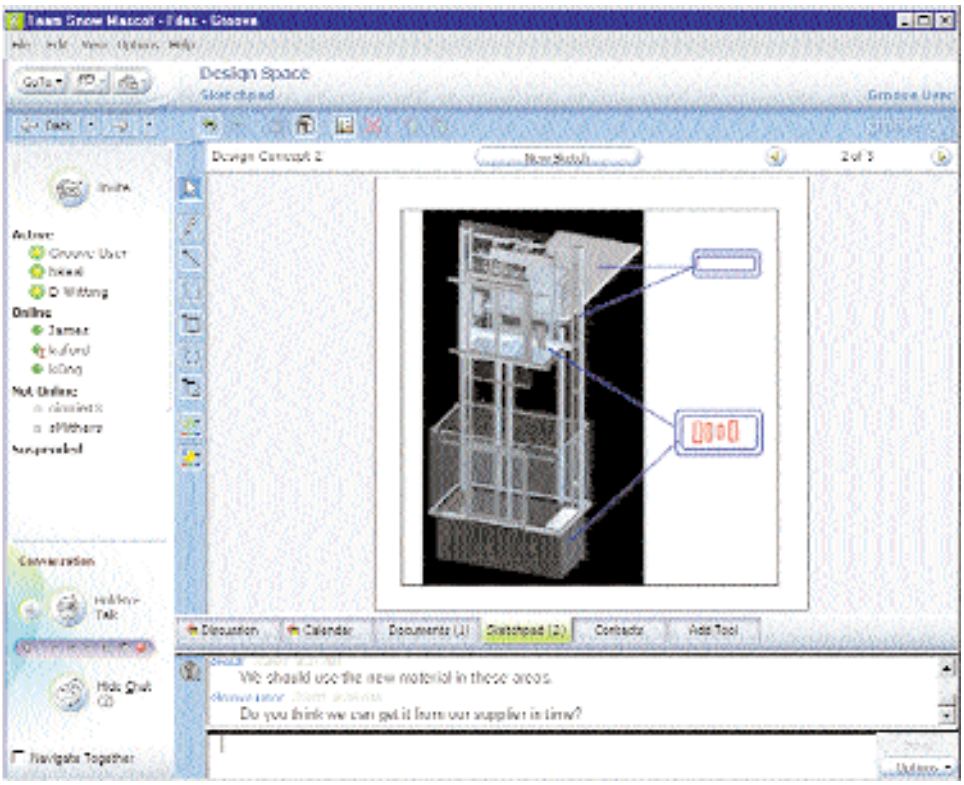


Groove Networks*

Groove*

PRODUCT OVERVIEW

Groove* is client and platform software for business applications that support online interaction giving users control over how, when and with whom they interact. The Groove client includes tools for voice and text-based communication, file sharing, and many other interactive activities, while the Groove platform supports standard development languages, built in security and an XML code base, making it easy to build additional tools as needed.



groove NETWORKS

Groove Networks
100 Cummings Center, Suite 535Q
Beverly, MA 01915
USA
978-720-2000
www.groove.net

Intel® Pentium® 4 Processor Benefits

- Improved performance from faster processor speed.
- Improved performance from memory-resident architecture enabling larger supply chain models.

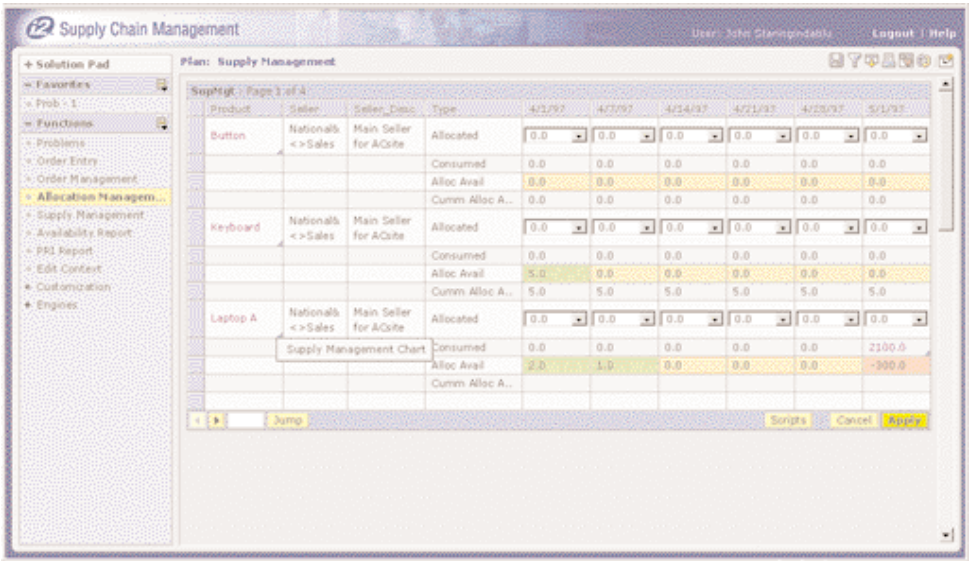
i2*

*Powering the Bottom Line**

i2 Supply Chain Management*

PRODUCT OVERVIEW

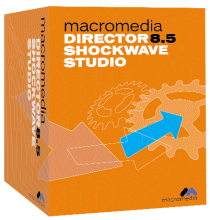
i2 Supply Chain Management* (SCM) helps businesses optimally plan and execute the movement of goods and materials through the supply chain. With i2 SCM, a business can estimate future demand for its products, enabling planners to optimally position supply resources, inventory, and capacity.



i2
One i2 Place
11701 Luna Rd
Dallas, TX 75234
United States
469-357-1000
www.i2.com

Intel® Pentium® 4 Processor Benefits

- Create interactive 3D applications including games, e-merchandising, e-learning and product demonstrations using the higher frame rates and high polygon counts supported by the Intel® Pentium® 4 processor.
- Quickly import models, textures, and animation from 3D applications and services on the Pentium 4 processor.
- Incorporate interactive 2D and 3D animation, streaming RealVideo*, RealAudio*, Macromedia Flash* 5, MP3, Apple QuickTime*, bitmaps, vectors, text and more into your applications.
- Running Director* 8.5 Shockwave* Studio on the Pentium 4 processor improves display of 3D content when authoring Web pages.



macromedia

Macromedia
600 Townsend Street
San Francisco, CA 94103
USA
415-252-2000
www.macromedia.com

Macromedia*

What the web can be

Director* 8.5 Shockwave* Studio

PRODUCT OVERVIEW

Take your online entertainment, interactive product demonstrations and online learning applications to the next level. Use Director* Shockwave* Studio with Discreet* 3ds max* or Alias/Wavefront* Maya* 3D assets, Macromedia* Flash* elements or even RealMedia* streams into dazzling destination Web content. Then, publish to over 250 million Web viewers via Shockwave Player.



Intel® Pentium® 4 Processor Benefits

- Takes advantage of the processing power of the Intel® Pentium® 4 processor to simultaneously display code and design of Web pages within the application environment.
- The rendering engine for the WYSIWYG environment performs faster on the Pentium 4 processor due to the Intel® NetBurst™ micro-architecture.
- Integrate and preview rich content from Macromedia* Flash*, Shockwave*, Generator, QuickTime*, and RealAudio* and RealVideo* with the enhanced performance provided by the Pentium 4 processor's enhanced registers.



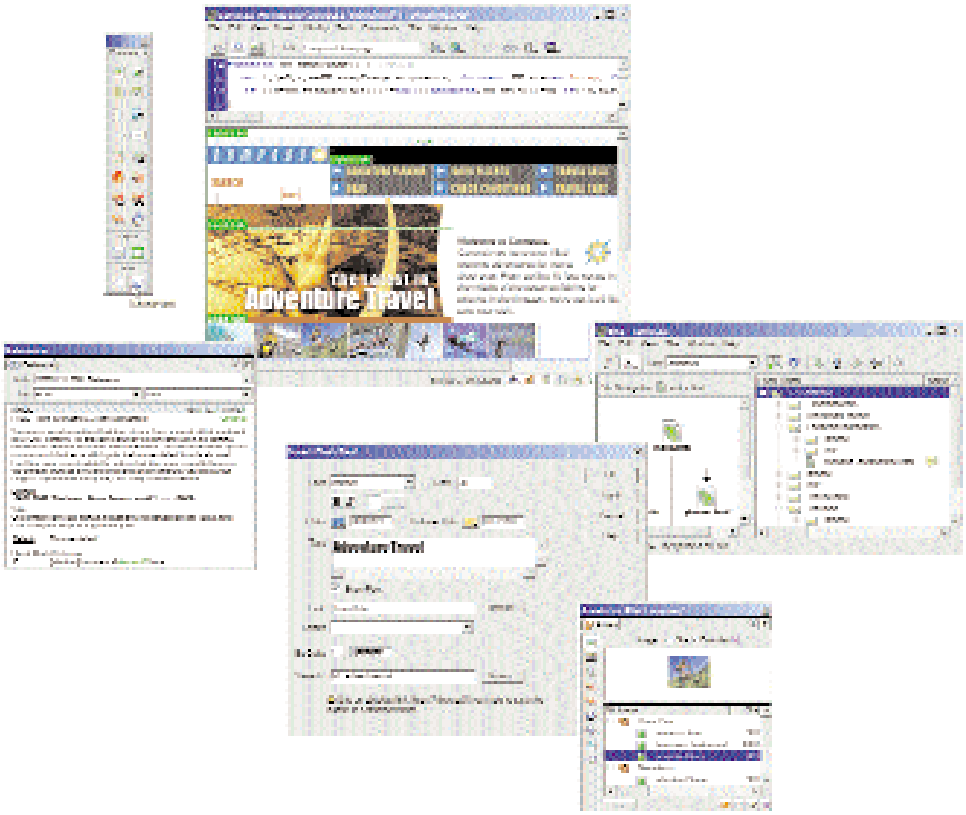
Macromedia*

What the web can be

Dreamweaver* 4

PRODUCT OVERVIEW

Macromedia* Dreamweaver* 4 has everything you need to develop a professional Web site. Now you can build Macromedia* Flash* graphics directly in Dreamweaver. Whether you use Dreamweaver's visual layout tools or its text-editing environment, the intuitive Macromedia User Interface makes it easy.



Macromedia
600 Townsend Street
San Francisco, CA 94103
USA
415-252-2000
www.macromedia.com

Intel® Pentium® 4 Processor Benefits

- Takes advantage of the processing power of the Intel® Pentium® 4 processor to simultaneously display code and design of Web pages with the application environment.
- Marked speed and reliability improvements in file transfers to public servers is supported by the Advanced Transfer Cache of the Pentium 4 processor.
- Build typical Web application layouts faster, and with database inserts, database updates, master/detail relationships, Recordset statistics and Recordset navigation bars.



macromedia

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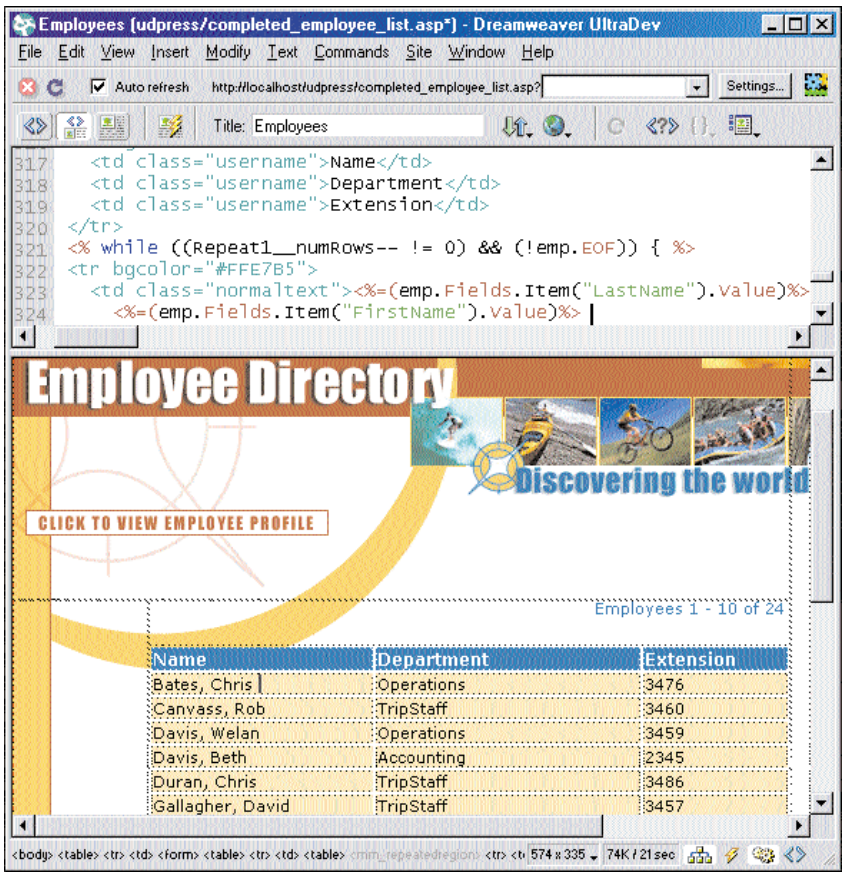
Macromedia*

What the web can be

Dreamweaver* UltraDev* 4

PRODUCT OVERVIEW

Macromedia* Dreamweaver* UltraDev* 4, with all the powerful new features of Dreamweaver 4, is the most efficient way to develop ASP, JSP, or ColdFusion* applications. View code and design simultaneously. Easily create libraries of server-side scripts or use the built-in server behaviors and shortcuts.



Intel® Pentium® 4 Processor Benefits

- Reposition, redirect and reanimate simple animations across multiple frames using the improved performance provided by the registers of the Intel® Pentium® 4 processor.
- Execute layers faster due to the processing power of the Pentium 4 processor.
- Faster imports and exports of graphics is enhanced by the system bus of the Pentium 4 processor.

Macromedia*

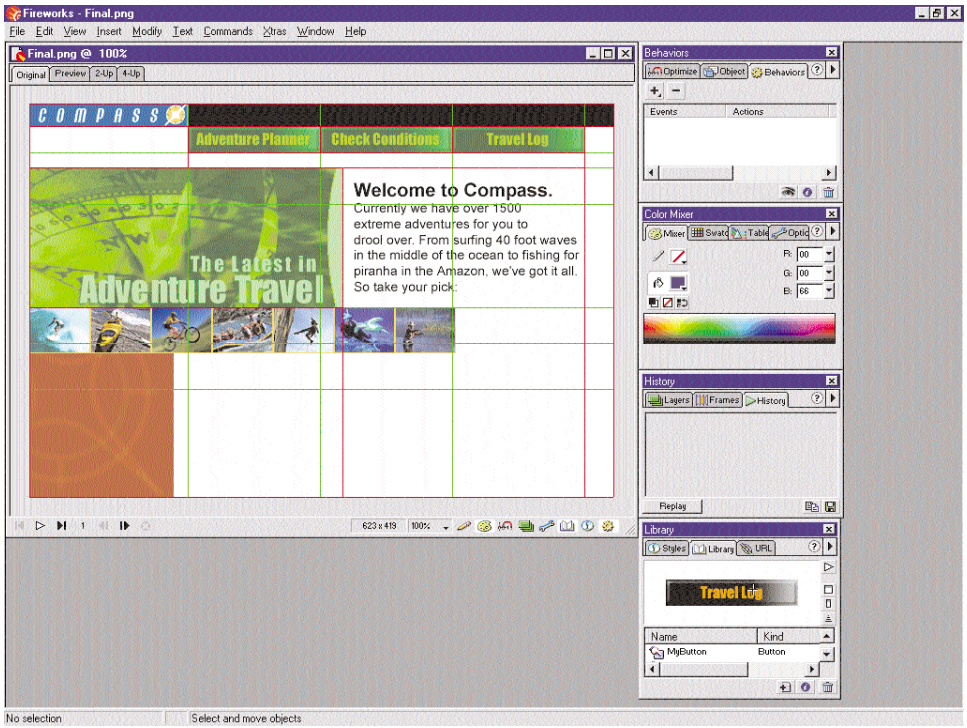
What the web can be

Fireworks* 4

PRODUCT OVERVIEW

Create, edit, and animate Web graphics using a complete set of bitmap and vector tools. Use export controls to optimize your images, give them advanced interactivity, and export them into Macromedia* Dreamweaver* and other HTML editors. Launch and edit Fireworks* graphics from inside Dreamweaver or Macromedia* Flash*.





Macromedia
600 Townsend Street
San Francisco, CA 94103
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415-252-2000
www.macromedia.com

Intel® Pentium® 4 Processor Benefits

- Streamlined performance when editing complex artwork.
- Tracing bitmaps feature performance improvements.

Macromedia*

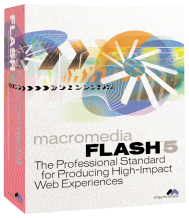
What the web can be

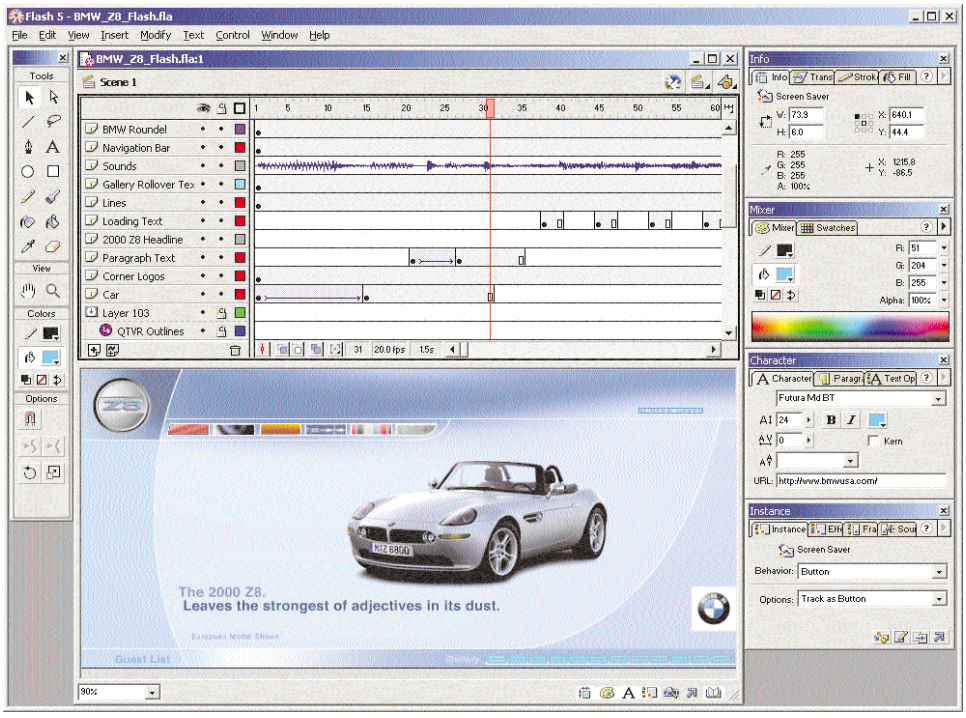
Flash* 5

PRODUCT OVERVIEW

Macromedia* Flash* is the key to designing and delivering low-bandwidth animations, presentations, and Web sites. It offers scripting capabilities and server-side connectivity for creating engaging applications, Web interfaces, and training courses. Once you've created your content, a large percentage of the online audience will be able to view it with the Macromedia Flash Player.

Over 334 million Web users can now use Macromedia Flash Player to seamlessly view content created with Macromedia Flash, the professional standard for producing high-impact, vector-based Web experiences.





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600 Townsend Street
San Francisco, CA 94103
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www.macromedia.com

Intel® Pentium® 4 Processor Benefits

- Intel® Pentium® 4 processor enhances Macromedia* FreeHand* 10's performance when redrawing, scaling, rotating, and blending large sophisticated files such as cartographic drawings and illustrations with multiple layers.

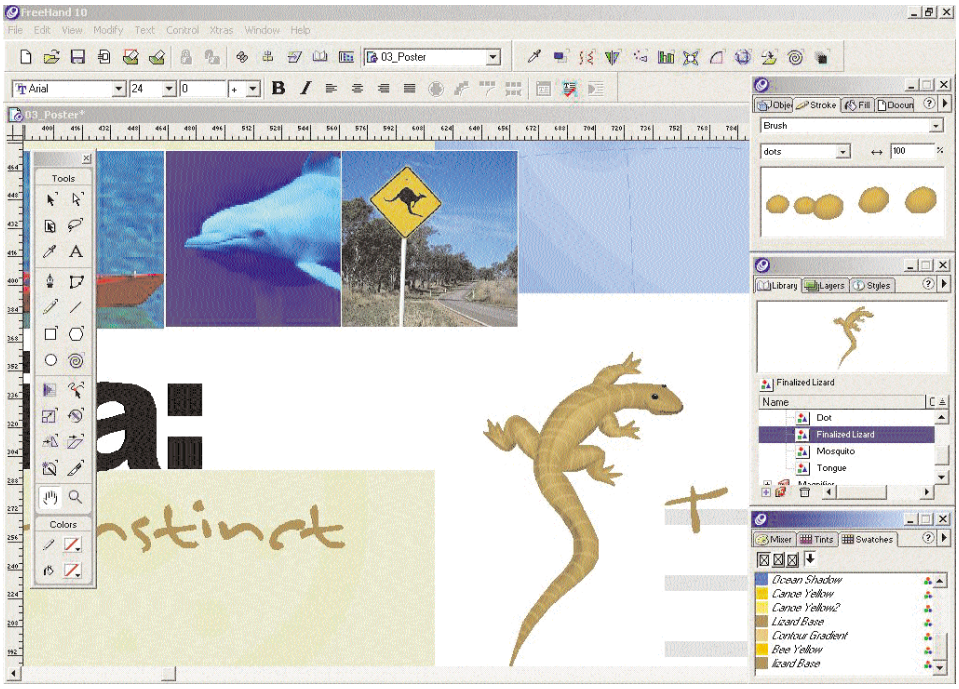
Macromedia*

What the web can be

FreeHand* 10

PRODUCT OVERVIEW

FreeHand* 10 offers graphic designers unsurpassed productivity features including master pages, the new Macromedia User Interface and sophisticated vector-based illustration tools. Enhance your project workflow by creating once, then publishing across multiple media including print, Web and beyond.





macromedia

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Intel® Pentium® 4 Processor Benefits

- Macromedia* Shockwave* player benefits from the Intel Architecture Labs 3D Engine.
- This Engine is optimized for improved performance on the Intel® Pentium® 4 processor.
- Intel® Pentium® 4 users will experience improved bones animation and improved media streaming.

Macromedia*

What the web can be

Shockwave* Player

PRODUCT OVERVIEW

Over 200 million Web users have installed Macromedia* Shockwave* Player (includes Flash* Player). These people now have access to some of the best the Web has to offer—including dazzling 3D games and entertainment, interactive product demonstrations, and online learning applications. Shockwave Player displays Web content that has been created by Macromedia* Director* Shockwave Studio.



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600 Townsend Street
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www.macromedia.com

Intel® Pentium® 4 Processor Benefits

- Real-time filtering, alerts, and refinement of stocks execute faster due to the processing power of the Intel® Pentium® 4 processor.
- Creation and display of the FirstAlert charts and technical indicators is accelerated.

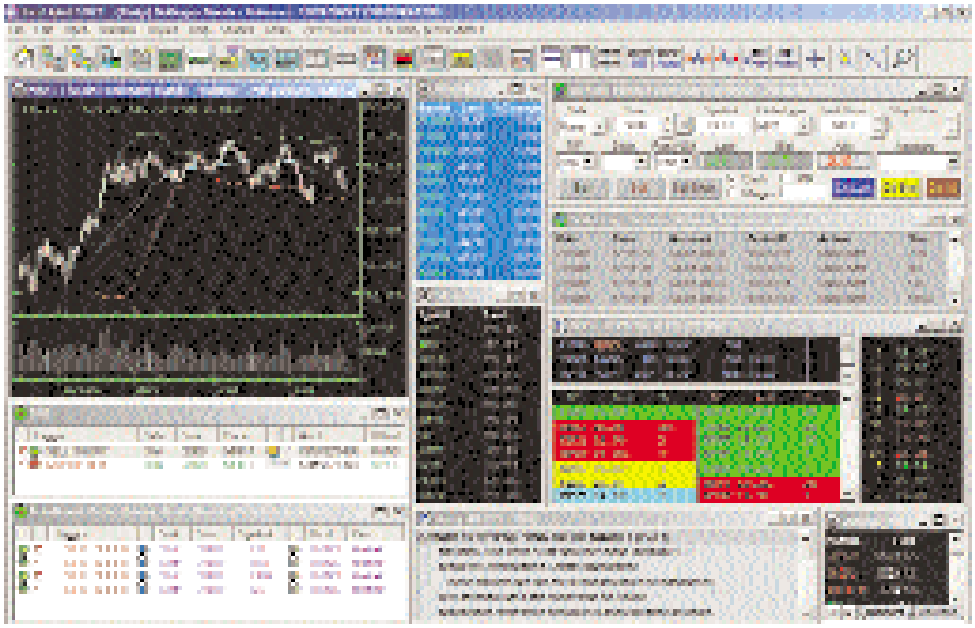
Neovest, Inc*.

*Get the idea**

FirstAlert*

PRODUCT OVERVIEW

FirstAlert* is Neovest, Inc.'s preeminent short-term trading software for professional traders. FirstAlert includes Neovest's powerful real-time filtering and alert capabilities, plus best-of-breed charting, order entry, quotes, news and all of the features required to give professional traders the end-to-end functionality they demand.



neovest firstAlert™

neovest™

Neovest, Inc.
Two Piedmont Center, Suite 200
Atlanta, GA 30305
USA
800-859-9718
www.neovest.com

Intel® Pentium® 4 Processor Benefits

- Real-time filtering of stocks executes faster due to the processing power of the Intel® Pentium® 4 processor.
- Increased performance and scalability, accelerates the display of multi-pane charts and trend lines.

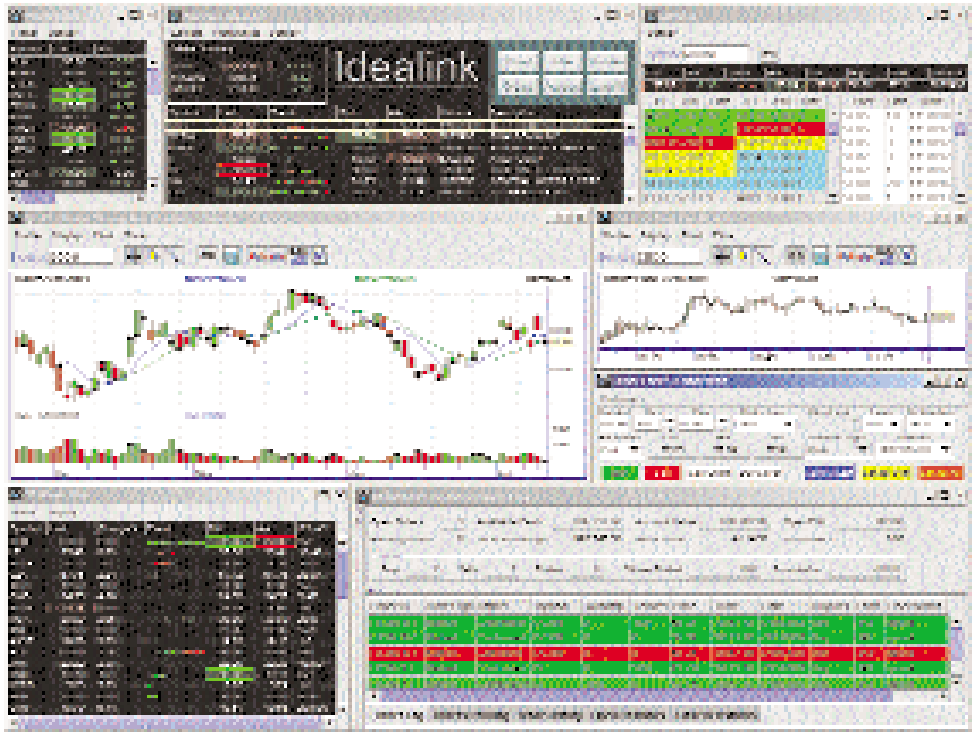
Neovest, Inc*.

*Get the idea**

IdeaLink*

PRODUCT OVERVIEW

As a B2B solution, Neovest, Inc.'s comprehensive Internet filtering and charting solution brings unsurpassed speed and functionality to the mass market of Internet investors and traders. IdeaLink* features Neovest's market-leading technology for real-time filtering and idea generation, coupled with best-of-breed charting, order execution, Level II, quotes and news.



neovest ideaLink™

neovest™

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www.neovest.com

Intel® Pentium® 4 Processor Benefits

- Real-time filtering, alerts, and refinement of stocks execute faster due to the processing power of the Intel® Pentium® 4 processor.
- Increased performance and scalability.

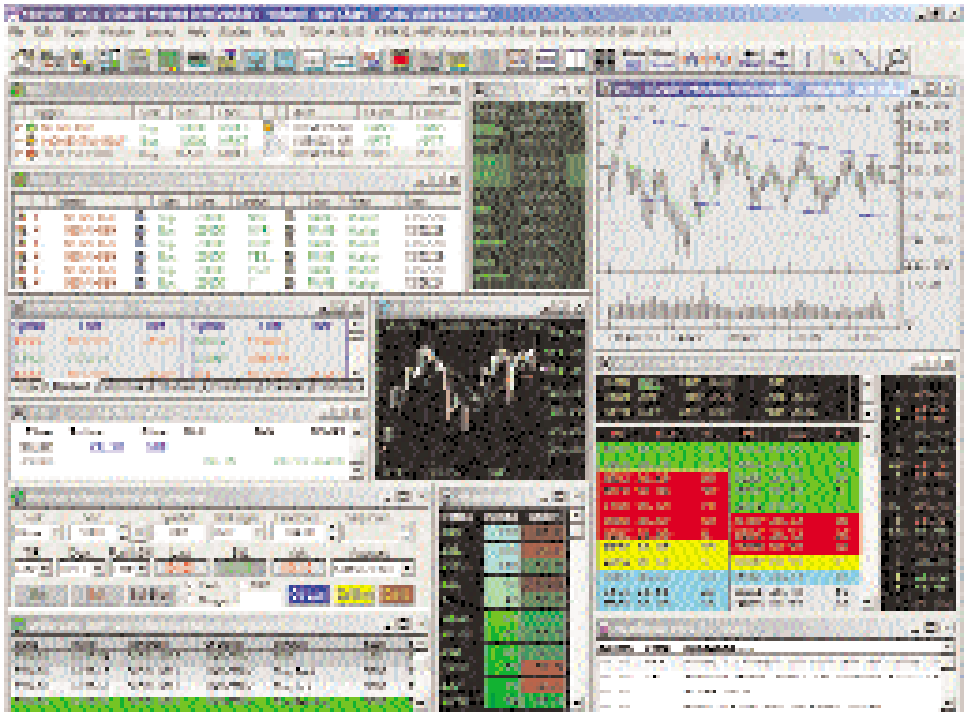
Neovest, Inc*.

*Get the idea**

Neovest*

PRODUCT OVERVIEW

Neovest Inc.'s high-end product Neovest*, features proprietary research, plus custom layouts and models, all integrated into a real-time, high-speed filtering, monitoring, charting and order entry solution. It's the fastest, easiest and most powerful end-to-end decision support system available for hedge fund and money managers, market makers, block traders, and traditional brokers and investment firms.



neovest™

neovest™

Neovest, Inc.
Two Piedmont Center, Suite 200
Atlanta, GA 30305
USA
800-859-9718
www.neovest.com

Intel® Pentium® 4 Processor Benefits

- Combine Sound Forge* with the processing speed of the Intel® Pentium® 4 processor, there is increased performance in the built-in support for a number of audio and video file formats, including WAV, WMA, RM, AVI and MP3.
- Sound Forge provides a combination of over 35 audio effects and processes with more than 200 presets. Sound Forge 5 utilizes the Intel Pentium 4 processor Streaming SIMD Extension 2 (SSE2) to optimize for the Intel Pentium 4 processor.



SONIC FOUNDRY®

Sonic Foundry, Inc.
1617 Sherman Ave
Madison, WI 53704
USA
608-256-3133
www.sonicfoundry.com

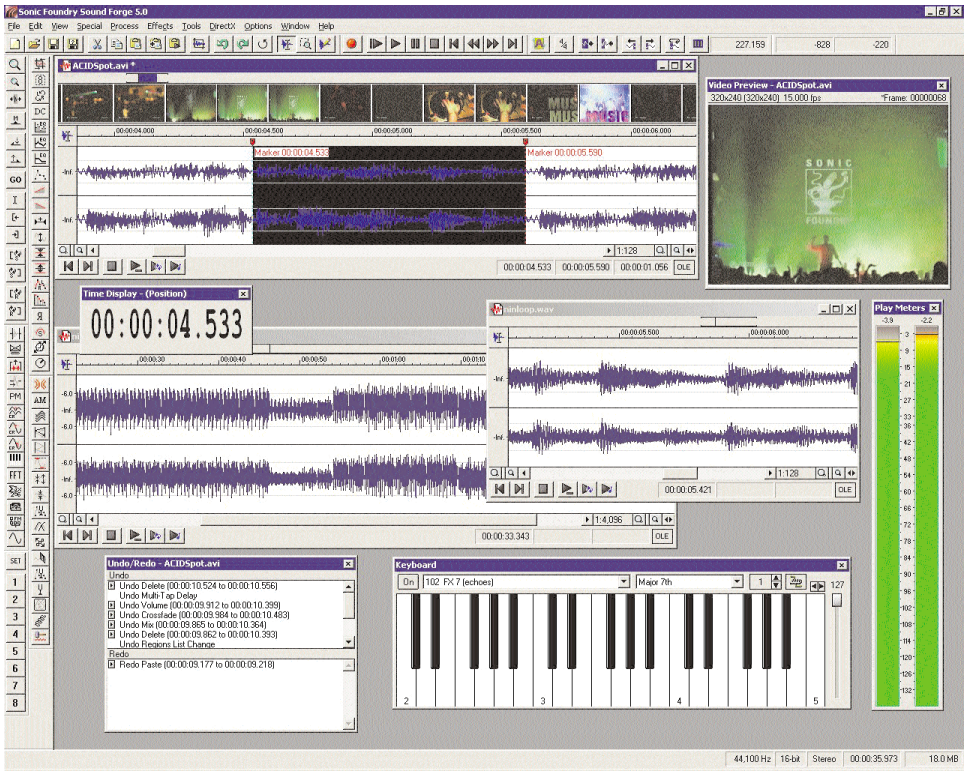
Sonic Foundry, Inc*.

One Source. Countless Solutions.

Sound Forge*

PRODUCT OVERVIEW

Sound Forge* is Sonic Foundry's award-winning two-track digital audio editor that includes a powerful set of audio processes, tools, and effects for manipulating audio. This application is perfect for audio editing, audio recording, effects processing and media encoding. Includes support for video, CD burning and a number of audio and video file formats, including WAV, WMA, RM, AVI, and MP3.



Intel® Pentium® 4 Processor Benefits

- The Parasolid* toolkit is optimized for the Intel® Pentium® 4 processor, enabling customers to deliver higher performance applications.
- Parasolid takes advantage of the new Intel Pentium 4 processor Streaming SIMD Extension 2 (SSE2) instruction set.

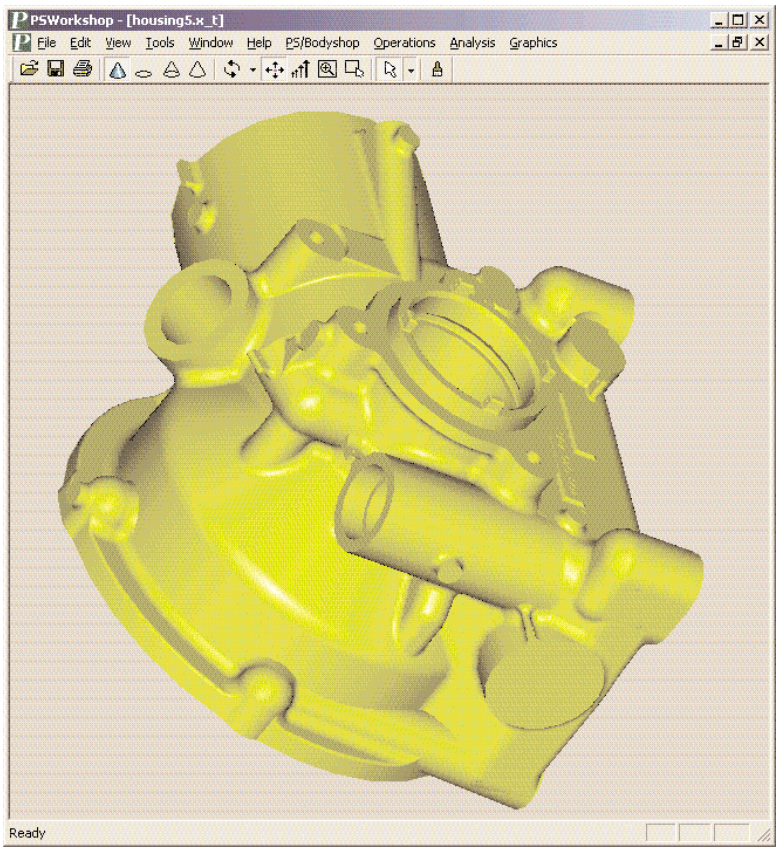
UGS*

powering collaborative commerce

Parasolid*

PRODUCT OVERVIEW

The Parasolid* geometric modeling toolkit from UGS provides the core 3D modeling capabilities for many leading CAx products in the mechanical engineering marketplace. Parasolid is used in more than 200 commercial CAD/CAM/CAE products with a total of more than 750,000 active end-users.



UGS
Parker's House, 46 Regent Street
Cambridge, Cambs CB2 1DP
UK
+44 1223 371529
www.parasolid.com

Intel® Pentium® 4 Processor Benefits

- Intel® Pentium® 4 processor increases the performance of drawing view creation by up to 30%, and 3D modeling operations performance by up to 20%.
- Solid Edge* uses a Parasolid* kernel complied to fully exploit the Intel Pentium 4 processor Intel® Netburst® micro-architecture.

UGS*

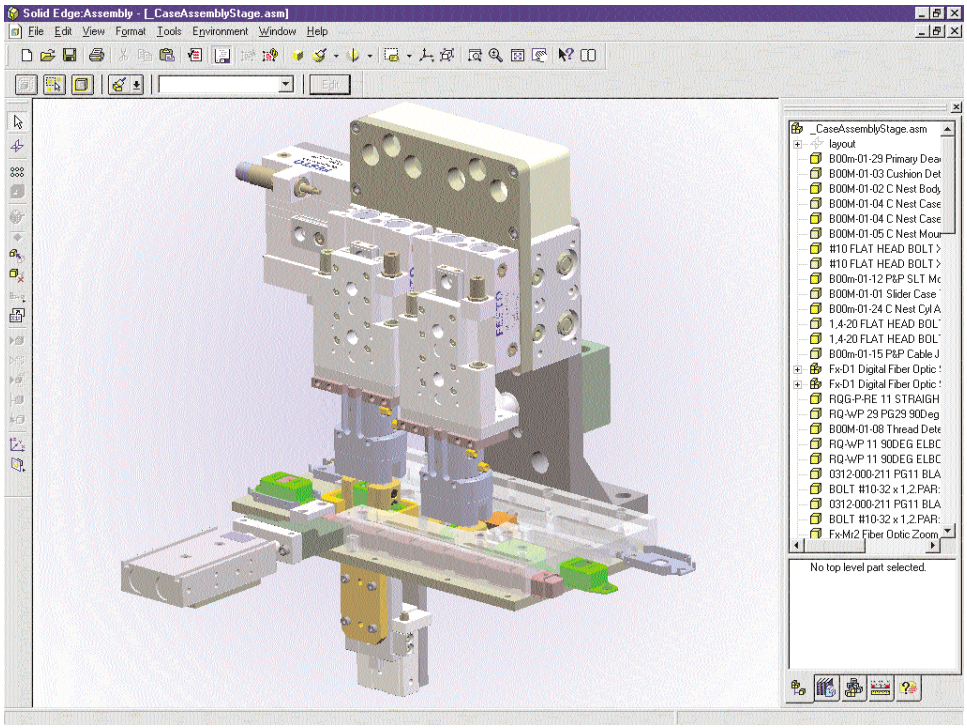
powering collaborative commerce

SolidEdge*

PRODUCT OVERVIEW

Solid Edge* from UGS is the CAD system of choice for mechanical design professionals seeking a competitive edge. Solid Edge delivers superior productivity for mechanical design and drafting to help you reduce time to market, improve product quality, and reduce costs.

Solid Edge includes tools for large assembly design and management, solid modeling and drafting, engineering assistance, Internet design communication.



SOLID EDGE

UGS
675 Discovery Drive Suite 100
Huntsville, AL 35806
USA
256-705-2500
www.solid-edge.com

Intel® Pentium® 4 Processor Benefits

- The Intel® Pentium® 4 processor improves speed and performance of Virage Videology* software application.
- Enables all features and plug-ins simultaneously.
- Optimized using Intel MPEG and JPEG libraries.

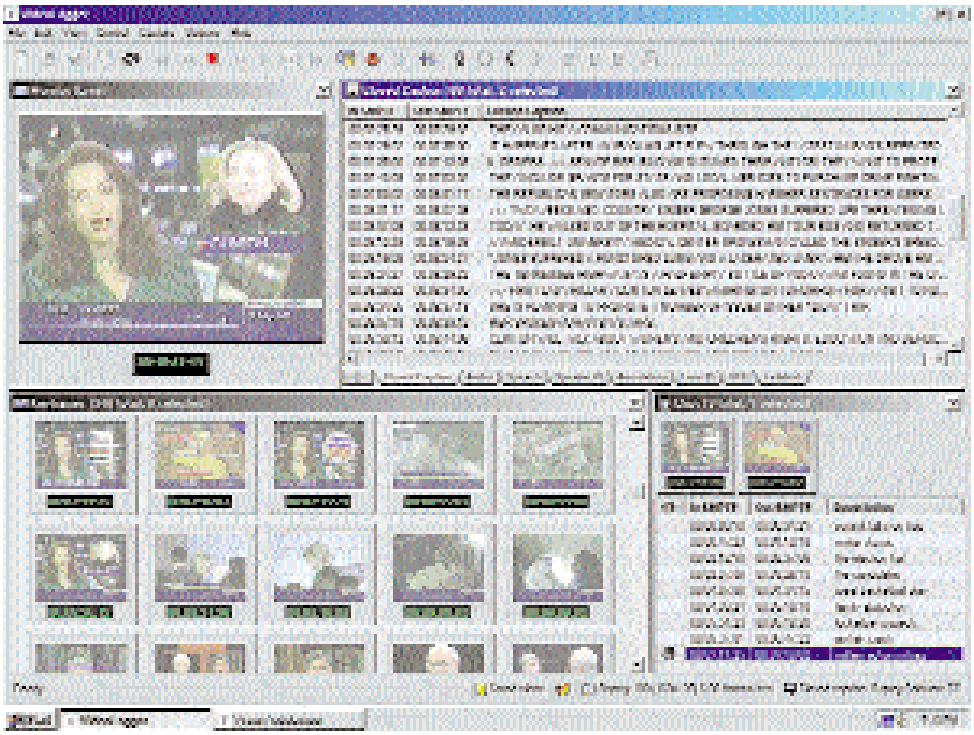
Virage Inc*.

Better Business Through Smarter Video

Virage* VideoLogger*

PRODUCT OVERVIEW

Virage VideoLogger* is the most cost-effective way of preparing video for online use. Using the SmartEncode* process, Videologger simultaneously encodes and indexes video in real time. Videologger watches, listens to and reads the video signal automatically, creating a video database of your content. By making video easy to identify and locate, VideoLogger improves workflow and allows valuable content to be easily repurposed and distributed.



VIRAGE®

Virage, Inc.
177 Bovet Road, Ste 520
San Mateo CA 94402
USA
650-573-3210
www.virage.com

Intel® Pentium® 4 Processor Benefits

- The Intel® Pentium® 4 processor's memory bandwidth significantly accelerates handling of large medical data sets by the Vitrea* 2 application.
- Intel's latest compiler technology provides considerable speed improvements for computationally intensive parts of Vitrea 2.
- Intel® Pentium® III processor Streaming SIMD Extension (SSE) and Intel Pentium 4 processor Streaming SIMD Extension 2 (SSE2) instruction sets enhance the payoff of careful tuning in speed critical parts of Vitrea 2.

Vitrea 2

VITAL IMAGES

Vital Images, Inc.
3300 Fernbrook Lane N, Suite 200
Plymouth, MN 55447-5341
USA
763-852-4100
www.vitalimages.com

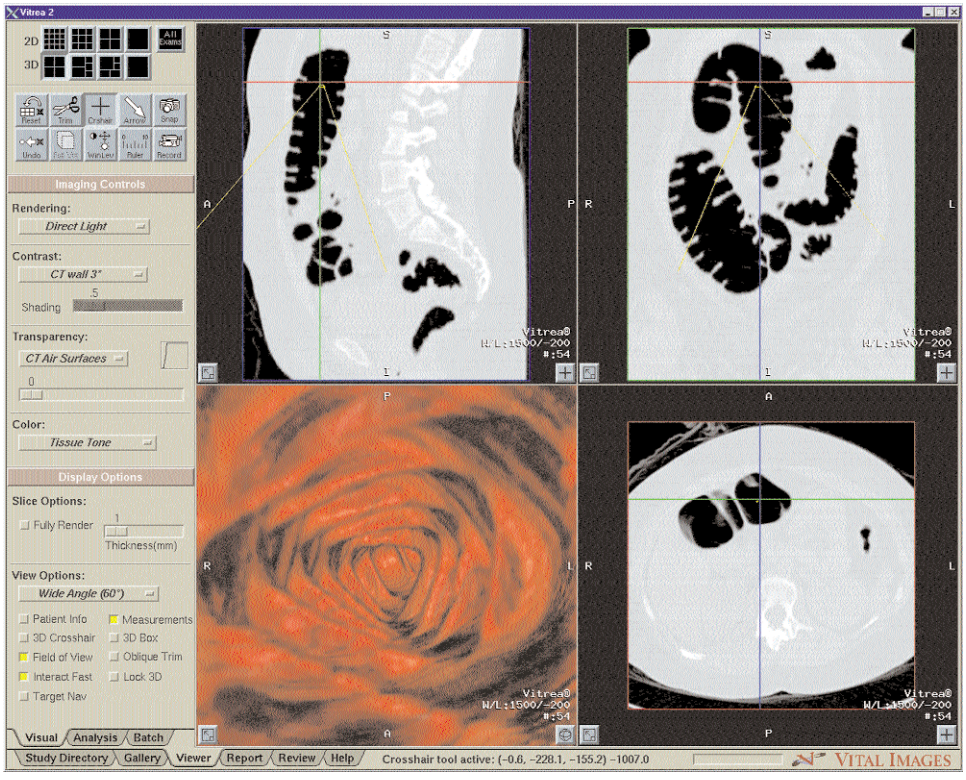
Vital Images, Inc*.

Leading a revolution in three dimensions

Vitrea* 2

PRODUCT OVERVIEW

Vital Images, an imaging software company, is integrating advanced 3D visualization technology into the everyday clinical environment through the development and marketing of Vitrea* 2. Vitrea 2 helps physicians visualize and analyze anatomy to diagnose conditions less invasively, plan surgery with greater accuracy and screen for certain cancers and cardiovascular disease at an early stage.





PULSE PLAYER 5.0*
by Pulse*



PULSE CREATOR* 5.0
by Pulse*



EYEMATIC XPRESSION*
by Eyematic Interfaces, Inc*.

Intel® Pentium® 4 Processor Benefits

- High precision tracking is possible due to Intel® Pentium® 4 processor Streaming SIMD Extension 2 (SSE2) instruction optimizations, with a faster clock speed, and USB 2.0.
- Markerless Facial Recognition – The faster processor SSE2, allows quicker acquisition of the face.
- Lip Synching – With the Intel Pentium 4 processor, the ratio of lipsynching with audio analysis to the entire session will become 2:1.
- Eyematic Interfaces – Real-time, marker less facial tracking in concert with real-time 3D rendering performance, is substantially increased on Intel® architecture.

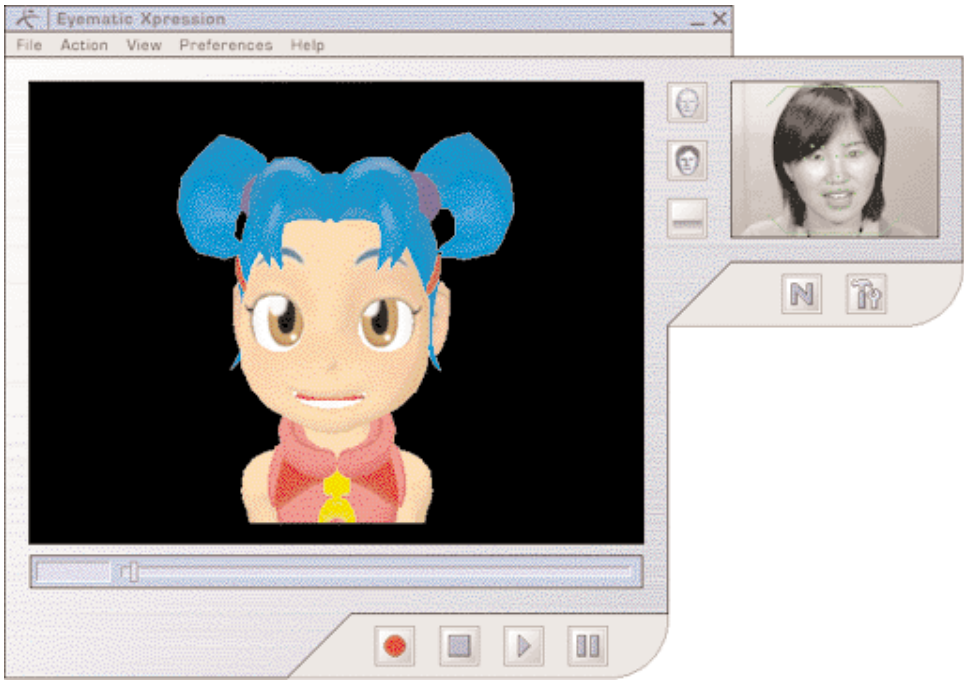
Eyematic Interfaces, Inc*.

*Your Face Is The Interface**

Eyematic Xpression*

PRODUCT OVERVIEW

Eyematic's Xpression* provides innovative solutions for authoring CRM, entertainment, distance learning, and news content over the Web. Create and update character animation using your own facial expressions and live or pre-recorded audio. Provide interactive face-to-face interaction between your Web site and your intended audience. Eyematic Xpression's Java-based Shout3D* export format allows bandwidth-efficient rich media without the need to download a plug-in.



Eyematic Interfaces, Inc.
9800 S La Cienega Blvd
Inglewood, CA 90301
USA
310-342-2944
www.eyematic.com

Intel® Pentium® 4 Processor Benefits

- Improved audio (from MP3 to near CD quality).
- Increases video quality (from blockiness to smooth).
- Allows larger window size (from 640x480 to 800x600).

iMove, Inc*.

Transforming the video experience

iMove* Multiview* Production Suite

PRODUCT OVERVIEW

iMove's Multiview* Interactive Video* technology transforms video from a passive to an active experience for users of the Internet and interactive TV. iMove's dynamic video production and delivery system provides a variety of viewing options. Users of video content can select different camera angles, including a 360° spherical view; control playback speed and direction; rewind and freeze frames; and even delve into audio, text and Web site hotspots.



iMove, Inc
33 NW First Ave
Portland, OR 97209
USA
503-221-2449
www.imoveinc.com

Intel® Pentium® 4 Processor Benefits

- Pulse Creator* allows users to optimize content for the Intel® Pentium® 4 processor, allowing users to experience higher image quality and faster frame rates on the Web.
- High-performance processing enhances audio, 3D animation and viewer interactivity.

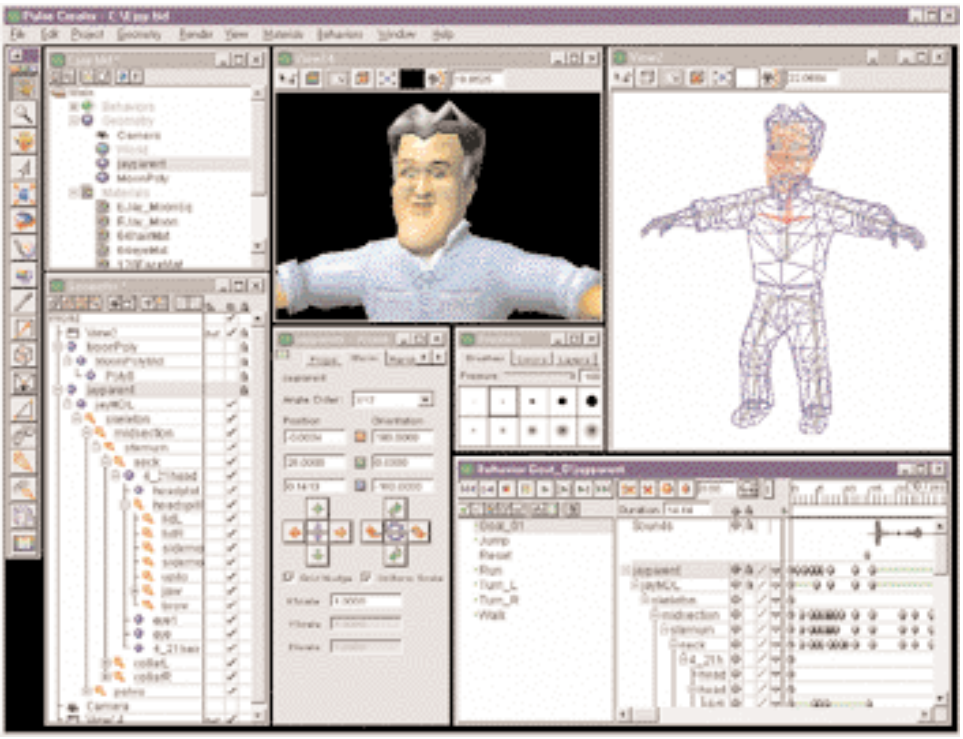
Pulse*

Interactive Animation and Audio for the Internet

Pulse Creator* 5.0

PRODUCT OVERVIEW

Pulse* Creator*, the award-winning 3D authoring application from Pulse, allows Web developers to create and publish sophisticated streaming, interactive, rich media for the Internet. The possibilities are endless: from virtual sales and service personnel, interactive products and environments, to photo-real intelligent agents and instructors. And new features in Creator 5.0 deliver greater image quality than ever before at even smaller file sizes.



Pulse
654 Mission Street
San Francisco, CA 94105
USA
415-348-4000
www.pulse3d.com

Intel® Pentium® 4 Processor Benefits

- Pulse Player*, optimized for the Intel® Pentium® 4 processor, allows users to experience higher image quality and faster frame rates on the Web.
- High-performance processing enhances audio, 3D animation and viewer interactivity.

Pulse*

Interactive Animation and Audio for the Internet

Pulse Player* 5.0

PRODUCT OVERVIEW

The powerful Pulse* Player* enables the delivery of Pulse-powered media to a variety of software and hardware platforms. (The standard Player is 510K with additional components downloaded when needed.) Pulse playback delivers high-quality, real-time 3D rendering, animation, and audio features including anti-aliasing, inverse kinematics, and interactive behaviors. Additionally, Pulse Player supports playback of HTTP-streamed audio in perfect synchronization with interactive behavior files.



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